

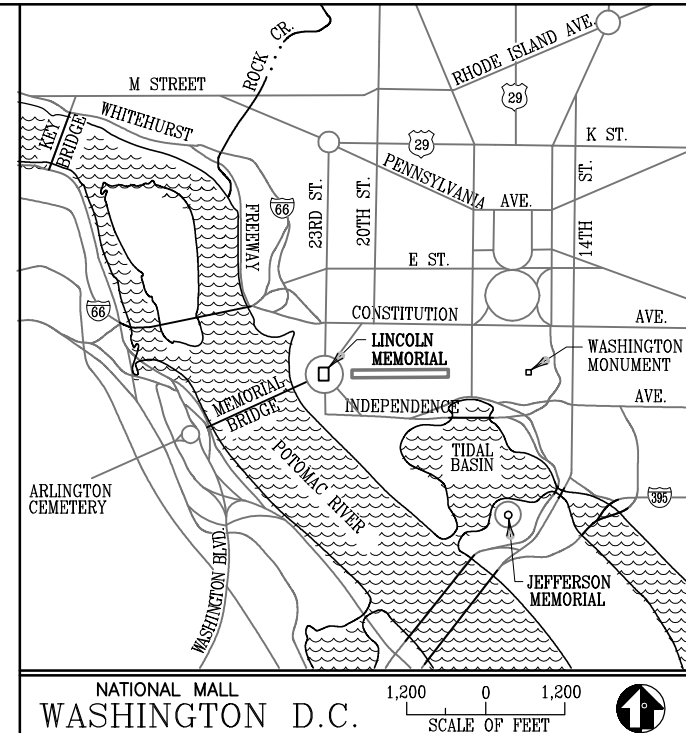
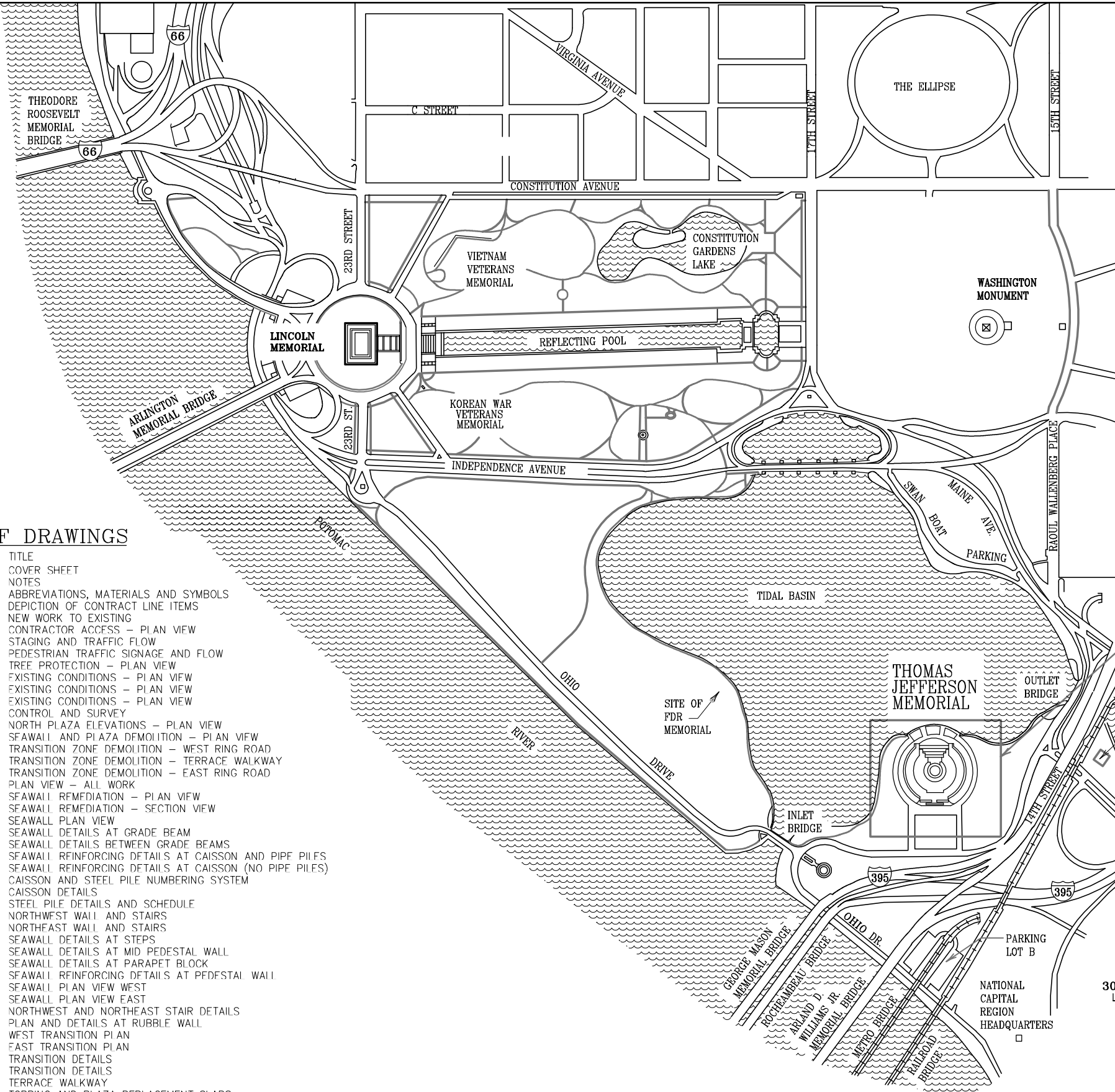
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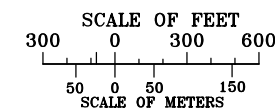
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**PROJECT SITE**

**EMERGENCY REPAIRS FOR SETTLEMENT AT JEFFERSON MEMORIAL SEAWALL**

**JEFFERSON MEMORIAL**



**SOLICITATION # 14432011090072**  
**PMIS NAMA 128232**

A/E FIRM - A/E CONTRACT NO.	Mark	Sheet	REVISION	Date	Initial	CONSTRUCTION QUALITY DESIGN CERTIFICATION
PRIME/ARCH: HNTB ARCHITECTURE NW WASHINGTON D.C.						<input type="checkbox"/> Prepared in Accordance with Design Development (Title 1) Drawing No. _____ OR <input type="checkbox"/> Variance from Design Development (Title 1) Approved by Superintendent on _____ Date _____ OR <input type="checkbox"/> Construction Drawing Not Preceded by Design Development (Title 1)
CIVIL: SCHNABEL ENGINEERING WEST CHESTER PA						<input type="checkbox"/> Construction Drawing Not Preceded by Design Development (Title 1)
						Project Manager _____ Date _____



**CONSTRUCTION DRAWINGS**

UNITED STATES  
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE  
DENVER SERVICE CENTER

TITLE OF PROJECT  
**EMERGENCY REPAIRS FOR SETTLEMENT AT JEFFERSON MEMORIAL SEAWALL**

LOCATION WITHIN PARK  
**JEFFERSON MEMORIAL**

NAME OF PARK  
NATIONAL MALL AND MEMORIAL PARKS

REGION COUNTY STATE  
NATIONAL CAPITAL NATIONAL MALL WASHINGTON, D.C.

DRAWING NO.  
**802**  
**25002A**

PMIS/PKG NO.  
128232

SHEET  
**1** of **52**

**NOTES**

**CODES AND SPECIFICATIONS:**

- 1) THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT WITH THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN
  - ACI BUILDING CODE 301-2005 SPECIFICATIONS FOR STRUCTURAL CONCRETE.
  - ACI BUILDING CODE 315-1999. DETAILS AND DETAILING OF CONCRETE REINFORCING.
  - ACI BUILDING CODE 318-2008. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
  - ASTM A 615. STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS FOR CONCRETE REINFORCEMENT.
  - FHWA-IF-99-025. DRILLED SHAFTS: CONSTRUCTION PROCEDURES FOR CARBON STRUCTURAL STEEL.
  - IBC 2006.

**RELATED DOCUMENTS:**

- 1) INVESTIGATION OF SETTLEMENT AND UPHEAVAL AT THE JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS, WASHINGTON, D.C., DATED JANUARY 30, 2008.
- 2) CONDITION ASSESSMENT OF THE ASHLAR SEAWALL MEMO, DATED MAY 16, 2008.
- 3) CORE REPORT FOR THE ASHLAR SEAWALL, DATED JULY 22, 2008.
- 4) REPAIR AND CONTROL SETTLEMENT MEMO – QUARTERLY MONITORING OF INSTRUMENTATION AND SURVEY POINTS, DATED JULY 10, 2008, REVISED JULY 24, 2008.
- 5) NORTH PLAZA CONE PENETRATION TEST AND SOUNDING REPORT, DATED OCTOBER 6, 2008.
- 6) JEFFERSON MEMORIAL PLAZA INVESTIGATION REPORT, DATED OCTOBER 6, 2008.
- 7) NORTH PLAZA INSTRUMENTATION INSTALLATION REPORT FOR THE JEFFERSON MEMORIAL, DATED OCTOBER 6, 2008.
- 8) REPAIR AND CONTROL SETTLEMENT MEMO – QUARTERLY MONITORING OF INSTRUMENTATION AND SURVEY POINTS, DATED NOVEMBER 11, 2008.

**GENERAL NOTES:**

- 1) DELIVERY HOURS ARE 6:00AM TO 5:00PM AND REQUIRE 48 HOURS ADVANCE NOTICE FOR K9 SWEEPS IF ENTERING THE JEFFERSON MEMORIAL SECURED AREA.
- 2) WORKING HOURS ARE WEEKDAYS 6:00AM TO 5:00PM; PREAPPROVE ANY SATURDAY, SUNDAY, HOLIDAY WORK OR ADDITIONAL HOURS WITH CONTRACTING OFFICER.
- 3) ON SITE PARKING IS NOT AVAILABLE FOR CONSTRUCTION WORKERS. OFF-SITE PARKING IS AVAILABLE BY PERMIT IN LOT B ON OHIO DRIVE.
- 4) CONTRACTOR IS RESPONSIBLE FOR, BUT NOT LIMITED TO, RESTORATION AND/OR REPAIR OF AREAS OR SITE FEATURES DISTURBED OR DAMAGED DURING THE CONTRACTOR'S PERFORMANCE OF THE WORK INCLUDING DAMAGE TO PAVING, CURBING, SIDEWALKS, GUTTERS, LAWNS, IRRIGATION SYSTEMS, AND HISTORIC MASONRY.
- 5) THE CONTRACTOR SHALL PRESERVE AND PROTECT HISTORIC MASONRY WORK ADJACENT TO THE PROJECT CONSTRUCTION LIMITS INCLUDING NORTH STEPS AND ASSOCIATED FEATURES.
- 6) THE CONTRACTOR SHALL PREPARE AND SUBMIT A WORK PLATFORM PLAN. THE PLAN SHALL ADDRESS THE MEANS BY WHICH THE CONTRACTOR WILL EXECUTE THE WORK ASSOCIATED WITH THE SEAWALL, INCLUDING COFFERDAM AND DRILLED AND DRIVEN ELEMENT INSTALLATION. SUBMIT THE PLAN IN ACCORDANCE WITH SPECIFICATION 01 33 00. THE CONTRACTOR MAY UTILIZE THE EXISTING NORTH PLAZA AS A WORKING PLATFORM. THE LOAD ON THE NORTH PLAZA SHALL NOT EXCEED 250 PSF. THE CONTRACTOR SHALL SUBMIT THE WORK PLATFORM PLAN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE DISTRICT OF COLUMBIA TO THE CONTRACTING OFFICER FOR APPROVAL. THE SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, INFORMATION INDICATING PROPOSED EQUIPMENT TO BE USED DURING CONSTRUCTION, THE ANTICIPATED LOAD SCENARIOS TO RESULT DUE TO CONSTRUCTION OPERATIONS, AND THE PROPOSED PROTECTIVE MEASURES TO BE INSTALLED AT THAT SITE TO PREVENT DAMAGE TO THE HISTORIC FEATURES AT THE SITE INCLUDING TEMPORARY SHORING AND LOAD DISTRIBUTION IMPROVEMENTS.

7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE ANY EXCAVATION OR INSTALLATION OF FOUNDATION ELEMENTS. FOR LOCATION OF SUBGRADE UTILITIES, THE CONTRACTOR IS REFERRED TO THE UTILITY DRAWINGS, THE UTILITY LOCATIONS SHOWN HEREIN WERE PROVIDED BY THE NATIONAL PARK SERVICE, AND ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL NOTIFY MISS UTILITY PRIOR TO START OF WORK TO FIELD VERIFY AND COMPLETE THE UTILITY LOCATIONS. A PRIVATE UTILITY LOCATOR IS REQUIRED TO LOCATE NON-PUBLIC UTILITIES.

8) PERMISSION TO USE THE STAGING AREAS SHOWN IN THESE DRAWINGS IS GRANTED WITH THE PROVISIO THAT THE CONTRACTOR PRESERVE AND PROTECT ALL NATURAL, CULTURAL AND INFRASTRUCTURE FEATURES TO REMAIN INCLUDING SIDEWALKS, CURBS, TREES, SHRUBS, UTILITIES AND IRRIGATION SYSTEM COMPONENTS AND THAT THE CONTRACTOR REPAIR OR REPLACE ANY AND ALL PORTIONS OF THESE FEATURES DAMAGED DURING THE CONTRACTOR'S PERFORMANCE OF THE WORK.

9) THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN A GUARD SHACK AT THE CONTRACTOR ENTRANCE TO THE PROJECT SITE. THIS GUARD SHACK SHALL REMAIN IN PLACE FOR THE FULL DURATION OF THE CONSTRUCTION CONTRACT. ADJACENT TO THIS GUARD SHACK, THE CONTRACTOR SHALL INSTALL A GOVERNMENT FURNISHED PLATE BARRIER AND MAINTAIN IT FOR THE FULL DURATION OF THE CONTRACT.

10) INFORMATION PROVIDED ON THESE DRAWINGS RELATED TO EXISTING CONDITIONS IS BASED ON AVAILABLE DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR TO INFORM CONTRACTING OFFICER UPON DISCOVERY OF ANY DISCREPANCY BETWEEN CONTRACT DRAWINGS AND ACTUAL EXISTING CONDITIONS.

11) CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF STRUCTURAL COMPONENTS.

12) BASED ON HISTORICAL DOCUMENTS PROVIDED BY NATIONAL PARK SERVICE, THE EXISTING NORTH PLAZA GRADE BEAM PILES CONSIST OF 14BP73 WITH AN ALLOWABLE LOAD CAPACITY OF 65 TON. EXISTING NORTHWEST WALKWAY GRADE BEAM PILES CONSIST OF HP 14X89 WITH AN ALLOWABLE LOAD CAPACITY OF 90 TONS.

13) THE CONTRACTOR SHALL BE AWARE OF POSSIBLE DRILLING OR DRIVING OBSTRUCTIONS SUCH AS RIPRAP, EXISTING TIMBER PILES, EXISTING SHEET PILES AND CONCRETE. ALL MEANS AND METHODS MUST BE SELECTED AND IMPLEMENTED TO ASSURE THAT NO DAMAGE IS OCCASIONED TO EXISTING SEAWALL AND NORTH PLAZA STRUCTURES DURING DRILLING OR DRIVING OPERATIONS.

14) PUBLIC ACCESS TO THE JEFFERSON MEMORIAL SHALL BE MAINTAINED AT ALL TIMES.

15) USE OF THE INLET BRIDGE FOR EQUIPMENT AND MATERIAL TRANSPORTATION OR OTHER CONSTRUCTION TRAFFIC IS PROHIBITED.

**GEOTECHNICAL INFORMATION:**

1) SIX TEST BORINGS, AND SUBSEQUENT ROCK CORINGS, SHALL BE PERFORMED BY THE CONTRACTOR: THREE TEST BORINGS AT CAISSON TIP LOCATIONS, AND THREE TEST BORINGS AT PIPE PILE TIP LOCATIONS. FINAL TEST BORING LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER. TEST BORINGS SHALL BE TREMIE GROUTED UPON COMPLETION TO PREVENT ANY COLLAPSE OF THE BORING HOLE. WORK SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION 02 32 00.

2) ALL ROCK CORING (TEST BORINGS) SHALL BE COMPLETED AND SAMPLES DELIVERED TO THE CONTRACTING OFFICER PRIOR TO BEGINNING ANY DRILLED SHAFT CONSTRUCTION.

3) THE INDICATED PILE TIP ELEVATIONS AND ROCK SOCKET LENGTHS ARE APPROXIMATE AND ARE BASED ON AVAILABLE SUBSURFACE EXPLORATION DATA. ACTUAL PILE TIP ELEVATIONS AND ROCK SOCKET LENGTHS SHALL BE DETERMINED BY THE CONTRACTING OFFICER DURING CONSTRUCTION AND SHALL BE BASED ON ACTUAL ROCK TYPES AND CONDITIONS ENCOUNTERED AS IDENTIFIED BY ADDITIONAL TEST BORING ROCK CORE SAMPLES THAT SHALL BE OBTAINED BY THE CONTRACTOR.

**GRANITE FEATURES:**

1) ALL FACING, COPING STONES, GRANITE STEPS, PEDESTALS, CURBING AND OTHER GRANITE/STONE FEATURES SHALL BE NUMBERED, INVENTORIED AND CATALOGED PRIOR TO DISASSEMBLY AND REMOVAL. ALL EXISTING STONES SHALL BE CLEANED AND, IF NECESSARY, REPAIRED IN PREPARATION FOR REINSTALLATION. REINSTALLATION OF GRANITE FEATURES SHALL MATCH LAYOUT AND LOCATION OF THE EXISTING CONDITIONS. THE CONTRACTOR IS

RESPONSIBLE FOR REINSTALLING THE GRANITE FEATURES SO AS TO NOT CAUSE ANY DEVIATION OR CHANGE TO CURRENT LAYOUT AND LOCATIONS.

**AGGREGATE TOPPING COURSE:**

1) CONTRACTOR SHALL IDENTIFY AND LOG EXISTING SLAB EXPANSION JOINTS AND SCORE PATTERNS IN ACCORDANCE WITH SPECIFICATION 02 21 13.

2) NEW EXPOSED AGGREGATE TOPPING TO MATCH THE EXISTING EXPOSED AGGREGATE TOPPING IN APPEARANCE, TEXTURE, FINISH, AND SCORING PATTERN IN ACCORDANCE WITH SPECIFICATION 03 35 23.

**DRIVEN PILES:**

1) PIPE PILES WILL WORK PRIMARILY IN COMPRESSION. DESIGN ALLOWABLE LOADS AT THE SEAWALL PILE HEADS ARE:  
 COMPRESSION = 354 KIPS  
 NEGATIVE SKIN FRICTION = 365 KIPS

TRANSITION ZONES ARE:  
 COMPRESSION = 433 KIPS

2) DRIVEN PILE STEEL SHALL BE  
 FY = 50 KSI.

3) CONTRACTOR SHALL PERFORM PILE DRIVING ANALYZER TESTING ON ONE SACRIFICIAL TEST PILE AND AT SIX PRODUCTION PILES.

4) THE CONTRACTOR SHALL INSTALL THE DRIVEN PILES WITHIN THE SPECIFIED TOLERANCES, DIMENSIONS, ETC., INDICATED IN THE PLANS AND SPECIFICATIONS.

5) HORIZONTAL AND VERTICAL LOCATIONS OF PIPE PILES ALONG THE SEAWALL, ARE SHOWN IN REFERENCE TO THE CAISSONS. LOCATIONS OF PIPE PILES SHALL BE FIELD LOCATED TO THE CENTER OF THE NEW CAISSONS AND SHALL BE SPLAYED AND BATTERED PERPENDICULAR TO THE CURVE OF THE NEW SEAWALL.

**CAISSONS:**

1) CAISSONS WILL WORK PRIMARILY IN BENDING AND TENSION. ALLOWABLE DESIGN LOADS ARE:  
 TENSION = 525 KIPS  
 SHEAR = 131 KIPS  
 MOMENT = 25,600 KIP-IN

2) ROCK SOCKETS FOR CAISSONS SHALL BE TERMINATED IN COMPETENT ROCK ONLY. ROCK SOCKETS FOR CAISSONS SHALL NOT BE TERMINATED IN OVERBURDEN, DISINTEGRATED ROCK, OR OTHER SOIL LIKE MATERIALS.

3) THE CONTRACTOR SHALL PERFORM CROSSHOLE SONIC LOGGING (CSL) ON TWO CAISSONS IN THE FIRST CLIN AND ONE CSL AT EACH ADDITIONAL CLIN LOCATION.

4) THE CONTRACTOR SHALL INSTALL THE CAISSONS WITHIN THE SPECIFIED TOLERANCES, DIMENSIONS, ETC., INDICATED IN THE PLANS AND SPECIFICATIONS.

5) HORIZONTAL AND VERTICAL LOCATIONS OF CAISSONS SHOWN IN PLANS ARE IN REFERENCE TO HISTORICAL INFORMATION OF THE EXISTING GRADE BEAMS. LOCATIONS OF CAISSONS AT GRADE BEAMS SHALL BE FIELD LOCATED TO CENTER LINE OF THE EXISTING GRADE BEAMS, CAISSONS SHOWN AT NON-GRADE BEAM LOCATIONS SHALL BE LOCATED AT THE MID-POINT BETWEEN GRADE BEAM CAISSONS ALONG AN ARC THAT MATCHES THE CURVE OF THE SEAWALL.

**EXCAVATION AND BACKFILL:**

1) THE CONTRACTOR SHALL PERFORM THE EXCAVATION OF EARTH MATERIALS AT THE LOCATIONS AND TO THE LINES AND GRADES SHOWN ON THE CONTRACT DRAWINGS, AND STOCKPILE AND/OR DISPOSE ALL MATERIALS AS SPECIFIED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE CONTRACTING OFFICER.

2) BACKFILL BEHIND SEAWALL TO SUPPORT SLAB SHALL CONSIST OF FILL, OR FLOWABLE FILL, BELOW 6" OF #57 CLEAN STONE AGGREGATE BASE COURSE. SEE SPECIFICATION 31 23 23.

**COFFERDAM:**

1) CONTRACTOR SHALL PROVIDE TEMPORARY SHEET PILE COFFERDAM AND DEWATERING. CONTRACTOR SHALL COORDINATE THE LOCATION AND DEPTH OF THE TEMPORARY SHEET PILE COFFERDAM AS TO NOT INTERFERE WITH THE INSTALLATION OF THE BATTERED PILES. CONTRACTOR TO ADDRESS BRIDGING OF THE

DEWATERING ENVELOPE BENEATH THE EXISTING GRADE BEAMS TO ENSURE DEWATERING IS ACHIEVED AND MAINTAINED AS SPECIFIED. DESIGN OF COFFERDAM AND DEWATERING PLAN SHALL BE PROVIDED BY AN ENGINEER REGISTERED IN THE DISTRICT OF COLUMBIA AND SUBMITTED ACCORDING TO SPECIFICATION 01 33 00. TEMPORARY SHEET PILES SHALL BE REMOVED FOLLOWING COMPLETION OF WORK.

2) THE CONTRACTOR SHALL FURNISH AND INSTALL STEEL SHEET PILES AT THE LOCATION AND TO THE LIMITS SHOWN ON THE CONTRACT DRAWINGS OR AS DIRECTED BY THE CONTRACTING OFFICER.

**CONCRETE:**

1) THE CONTRACTOR SHALL PREPARE AND PLACE THE CONCRETE (NEW CONCRETE SEAWALL, CONCRETE BEAMS, AND CONCRETE BLOCKS) AT THE LOCATION AND TO THE LIMITS SHOWN ON THE CONTRACT DRAWINGS. CONCRETE SHALL BE PREPARED AND MIXED TO OBTAIN THE COMPRESSIVE STRENGTH AS IN THE PLANS AND SPECIFICATIONS.


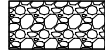





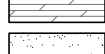
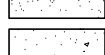
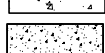




2) CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.





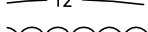





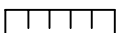
3) REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 (FY=60KSI).

4) ALL REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 3" UNLESS OTHERWISE NOTED.

5) CONCRETE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE SECTION OF ACI 301-05 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND 318-08 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."

DESIGNED: DW, JG, HR	SUB SHEET NO. <b>G1</b>	TITLE OF SHEET <b>NOTES</b>	DRAWING NO. <b>802</b>
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	SHEET <b>2</b> of <b>52</b>

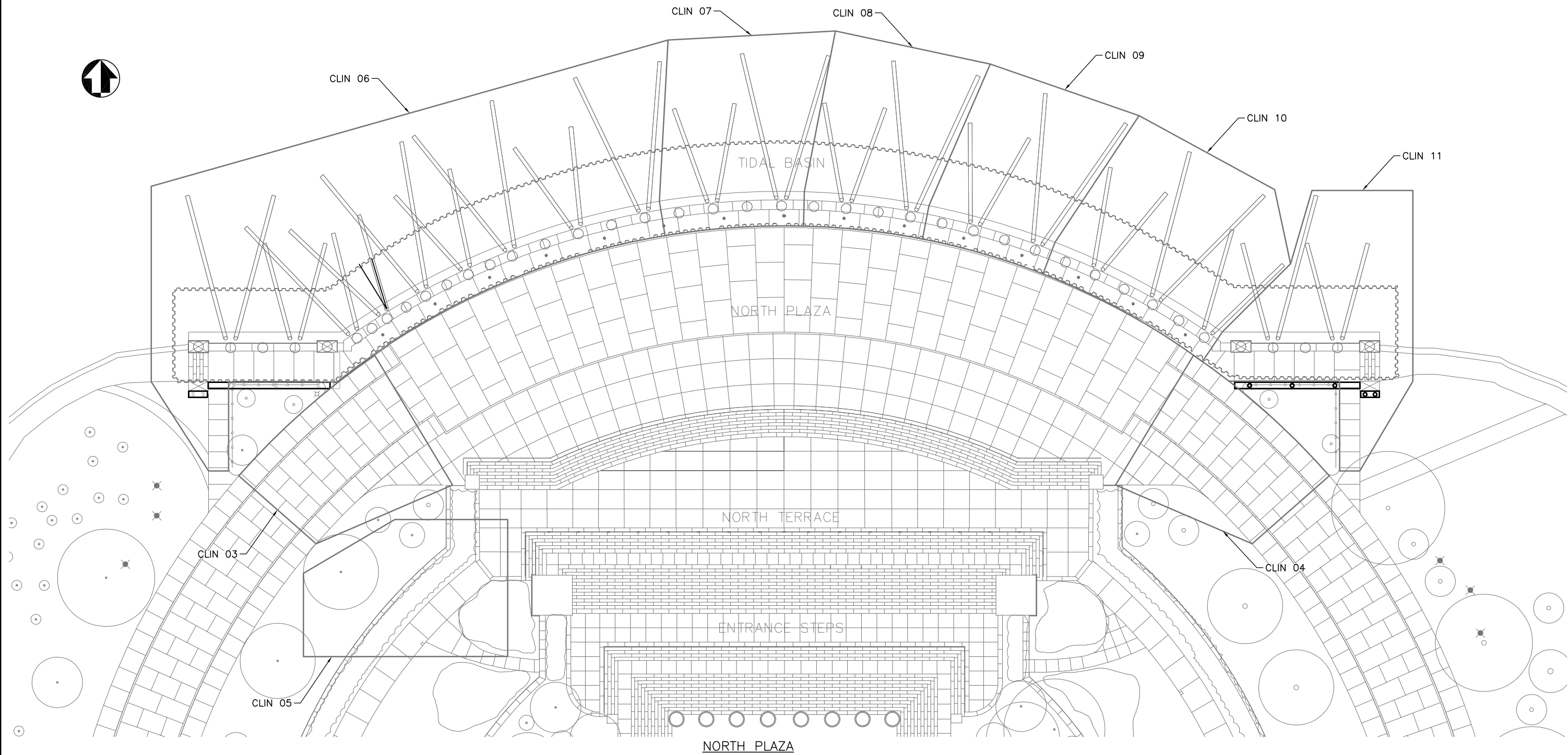
ABBREVIATIONS				MATERIALS		
&	AND	GSI	GUEST SERVICES, INCORPORATED	 CLOSED TO THE PUBLIC DURING WORK AT TERRACE WALKWAY  RUBBLE STONE MASONRY  AGGREGATE BASE COURSE  REMOVED, SALVAGED, CLEANED, AND REINSTALLED  EXTENT OF DEMOLITION  LIMITS OF CONSTRUCTION  RIPRAP  ROCK  GROUT  CONCRETE  EXPOSED AGGREGATE TOPPING  STAGING AREA  EARTH  ROOT PROTECTION		
<	ANGLE	GRD	GROUND			
@	AT	GRAN	GRANITE			
f	CENTERLINE	H	HORIZONTAL			
o	DEGREE	HOR	HORIZONTAL			
Ø	DIAMETER	IBC	INTERNATIONAL BUILDING CODE			
%	PERCENT	ID	INSIDE DIAMETER			
#	NUMBER	IN	INCH			
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	INV.	INVERT			
ACI	AMERICAN CONCRETE INSTITUTE	KSI	KIPS PER SQUARE INCH			
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MIN.	MINIMUM			
ASPH	ASPHALT	MID	MIDDLE OF			
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	N.T.S.	NOT TO SCALE			
AWS	AMERICAN WELDING SOCIETY	NPS	NATIONAL PARK SERVICE			
BOT (BOTT.)	BOTTOM	O.C.	ON CENTER			
C-C	CENTER TO CENTER	POLY.	POLYETHYLENE			
CL	CLEAR	PSI	POUNDS PER SQUARE INCH			
CLIN	CONTRACT LINE ITEM NUMBER	REINF.	REINFORCEMENT			
CONC.	CONCRETE	SCH	SCHEDULE			
CONT	CONTINUOUS	SHT	SHEET			
COR	CONTRACTING OFFICER'S REPRESENTATIVE	SPEC	SPECIFICATION			
DEMO	DEMOLISH	SS	STAINLESS STEEL			
DET.	DETAIL	T&B	TOP & BOTTOM			
DIA.	DIAMETER	TEMP.	TEMPORARY			
DWG	DRAWING	TYP.	TYPICAL			
EX	EXISTING	USPP	UNITED STATES PARK POLICE			
f'c	COMPRESSIVE STRENGTH OF CONCRETE	V	VERTICAL			
FHWA	FEDERAL HIGHWAYS ADMINISTRATION	W/	WITH			
FT	FEET					
Fy	YIELD STRESS					

SYMBOLS			
	DIRECTION OF FLOW		PUBLIC ACCESS
x 264.00	EXISTING SPOT ELEVATION		MATERIALS AND PERSONNEL PATH
- - - - -UE- - - - -	EXISTING UNDERGROUND ELECTRIC		TRAFFIC FLOW
- - - - -UT- - - - -	EXISTING UNDERGROUND TELEPHONE	- - - - -	TREE PROTECTION FENCE
- 12 - - - - -	EXISTING CONTOURS	- - - - -	STOCKADE FENCE
	EXISTING TREE LINE	IDENTIFICATION LETTER OR NUMBER	DETAIL REFERENCE (SAME SHEET)
- - - - -ST- - - - -	EXISTING STORM SEWER	XX	
- - - - -	STAGING FENCE	XX	DETAIL REFERENCE (DIFFERENT SHEET)
- - - - -	CONSTRUCTION FENCE	XXXX	SHEET SHOWN ON
	EXISTING H PILE	IDENTIFICATION LETTER OR NUMBER	ELEVATION
	LIGHT FIXTURE	XX	
	EXISTING LIGHT POLE BASE	XXXX	SHEET SHOWN ON
	EXISTING PLANT	IDENTIFICATION LETTER OR NUMBER	SECTION
	NORTH ARROW	XX	
	BIKE RACK	XXXX	SHEET SHOWN ON

DESIGNED: DW, JG, HR	SUB SHEET NO. <b>G2</b>	TITLE OF SHEET <b>ABBREVIATIONS MATERIALS AND SYMBOLS</b>	DRAWING NO. <b>802</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>3</b> of <b>52</b>

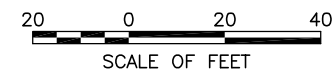


4/2/09 11:27 NFAHEY\_R17 C:\2006\085\06150076.J \JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\GEN\G3 LINE ITEMS.DWG  
 XREFS: C:\2006\085\06150076.J \JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XC-BEAMS.DWG; C:\2006\085\06150076.J \JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XC-AREF.DWG; \S21 TRANS W.DWG; \S22 TRANS E.DWG;



**NOTES:**

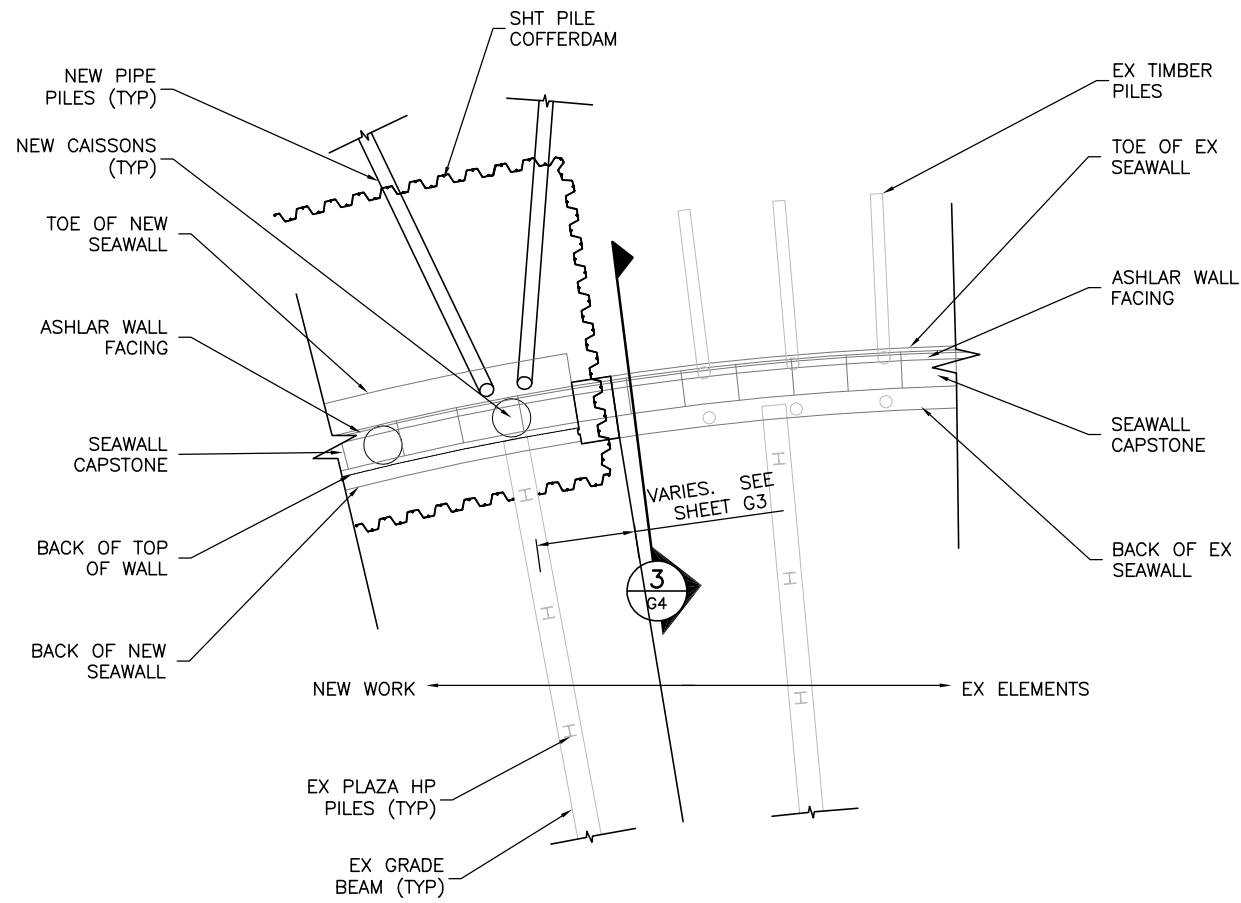
1. CLIN REPRESENTS CONTRACT LINE ITEM NUMBER.
2. REFER TO SPECIFICATION 01 27 00 FOR FULL DESCRIPTION OF CLINS.
3. LINES DEPICTING EACH CLIN ARE FOR GENERAL DELINEATION OF THE WORK ONLY AND DO NOT REPRESENT THE PRECISE LIMITS OF DISTURBANCE.
4. A SUITABLE BOND BREAKER SHALL BE USED WHERE THE REPLACEMENT SEAWALL AND PLAZA SLAB ABUTS AGAINST THE EXISTING SEAWALL AT CLIN CONSTRUCTION LIMITS.
5. BOND BREAKER TO BE APPROVED BY CONTRACTING OFFICER PRIOR TO USE.



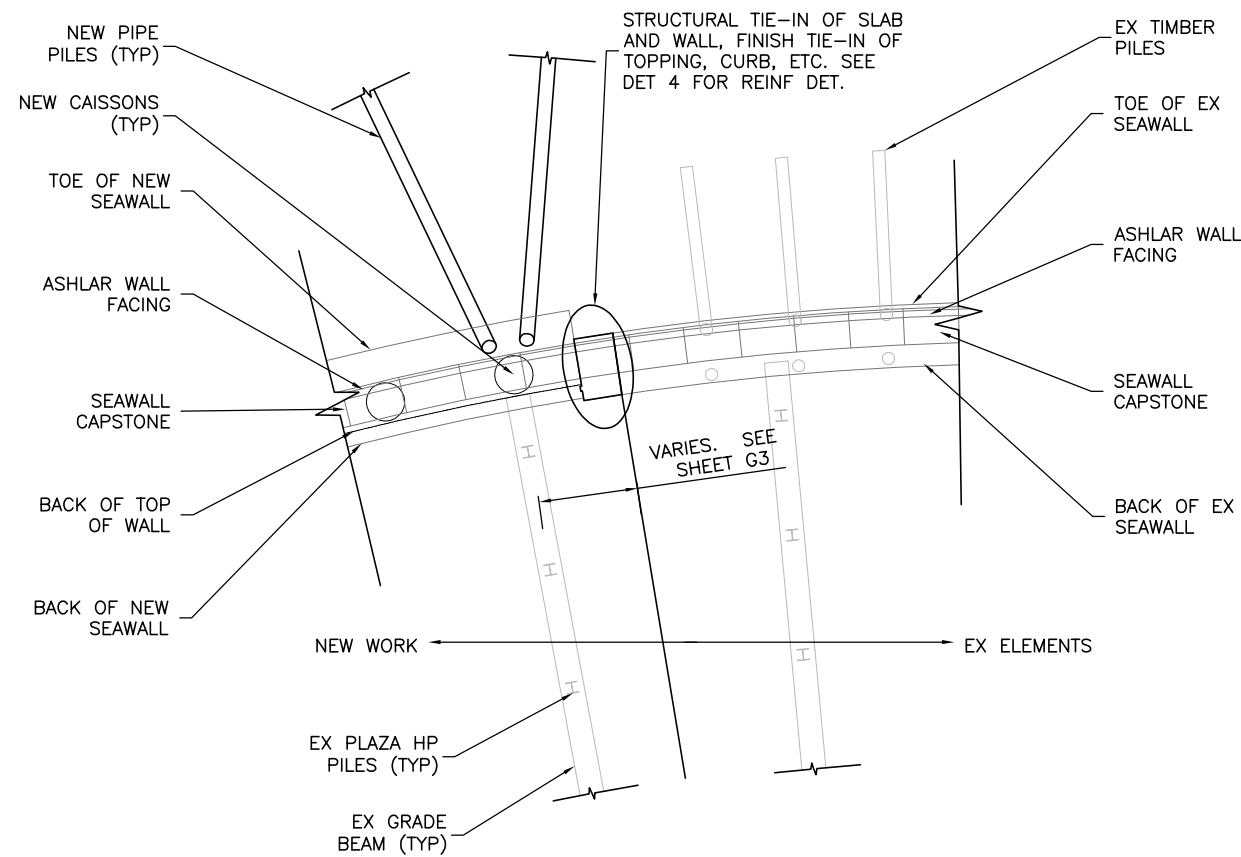
DESIGNED: DW, JG, HR CADD NSF, MD TECH. REVIEW: JG, DW DATE: 4-2-09	SUB SHEET NO.  <span style="font-size: 2em; font-weight: bold;">G3</span>	TITLE OF SHEET <b>DEPICTION OF CONTRACT LINE ITEMS</b>  THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. <b>802</b> <b>25002A</b> PMIS/PKG NO. 128232 SHEET <b>4</b> of <b>52</b>
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100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

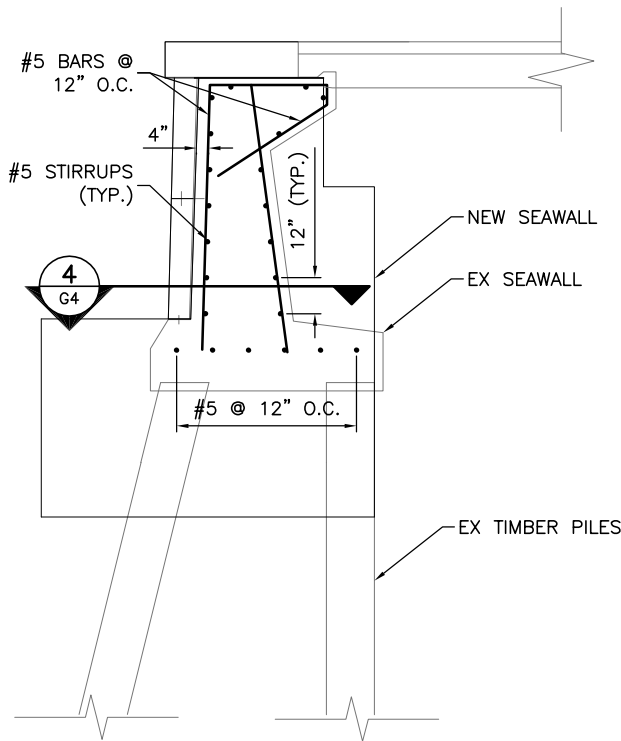
4/1/09 18:10 NFAHEY R17 c:\2006\085\06150078.J \JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\GEN\G4 DETAILS.DWG



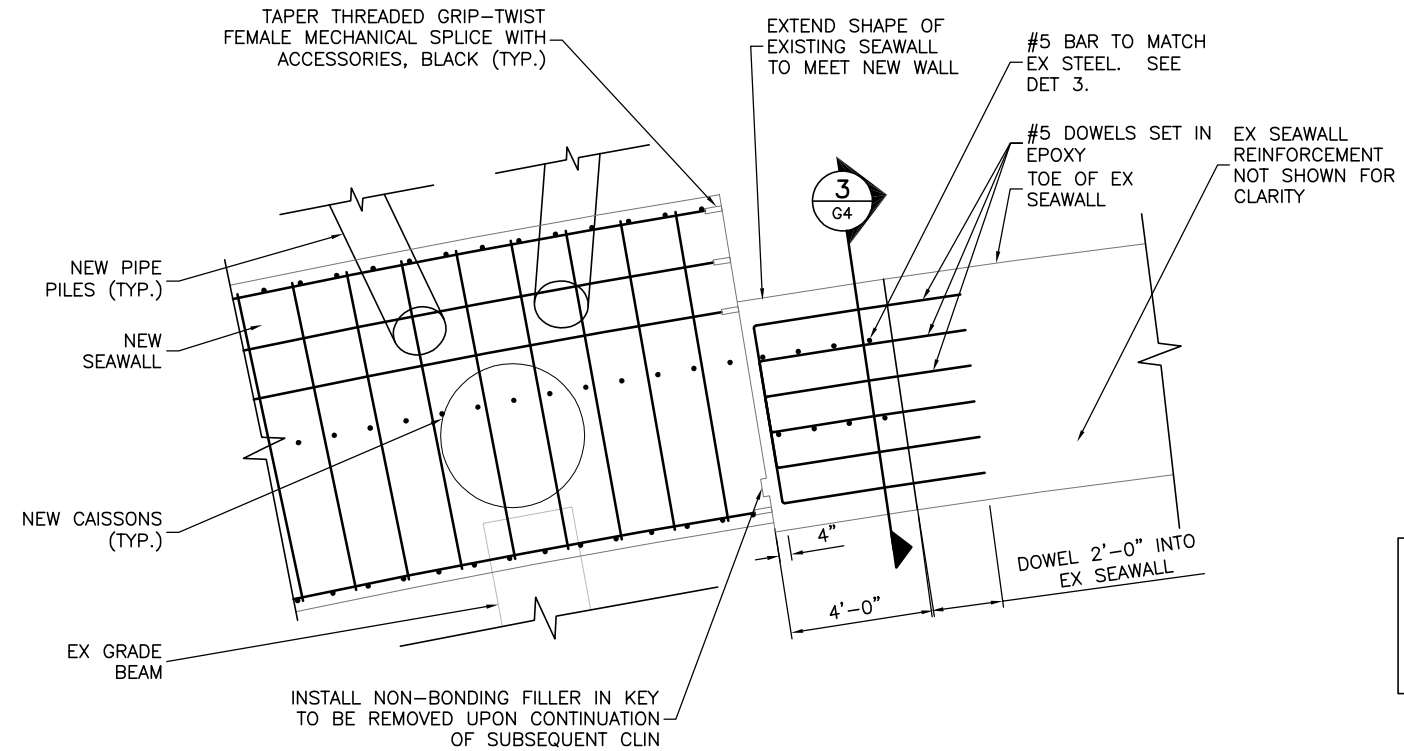
**1** COFFERDAM CLOSURE AT MID-WALL  
SCALE (A)



**2** TIE-INS, NEW WORK TO EXISTING  
SCALE (A)

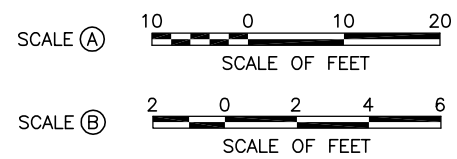


**3** REINFORCING STEEL AT TIE-IN, NEW WORK TO EXISTING - SECTION VIEW  
SCALE (B)



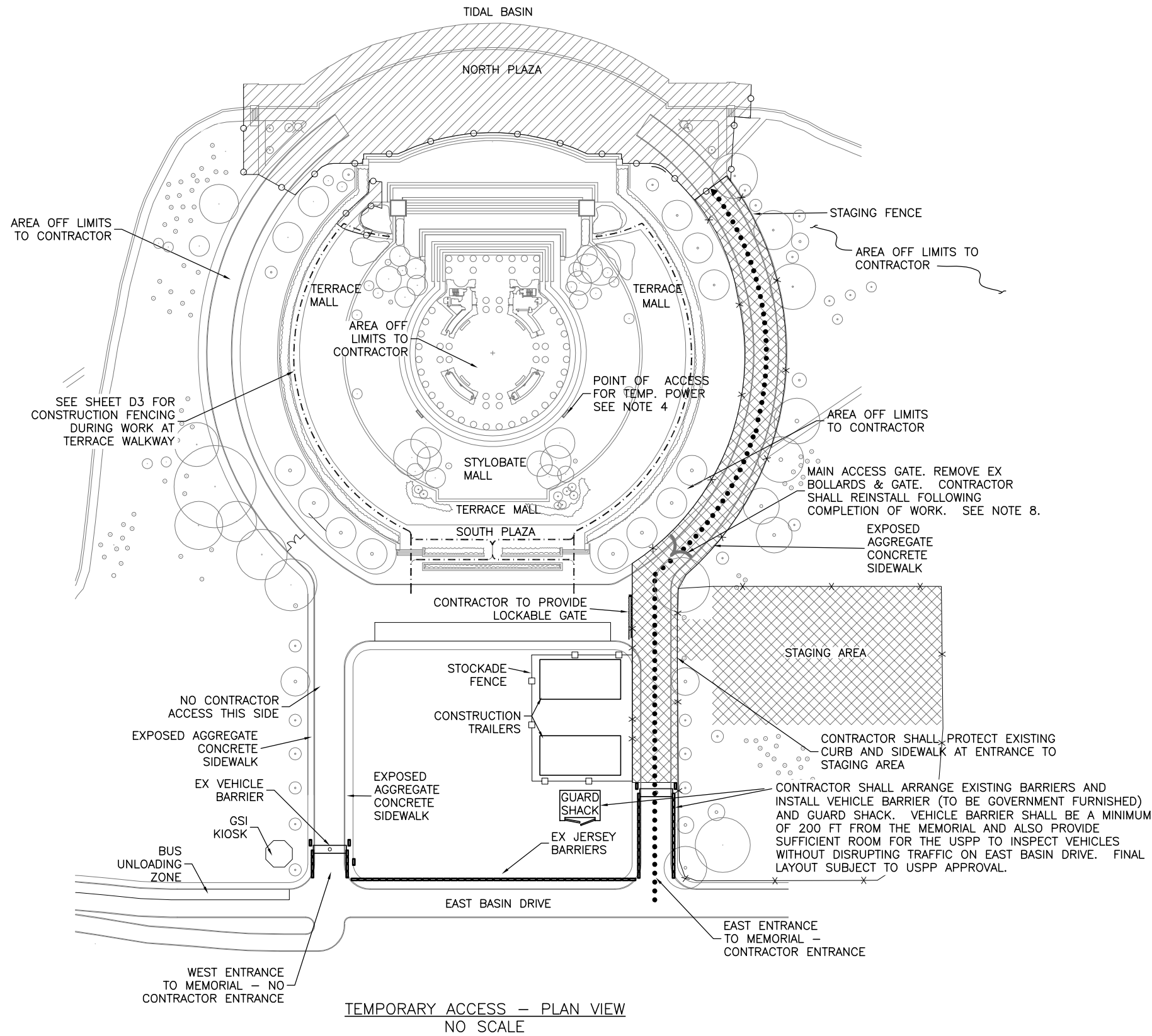
**4** REINFORCING STEEL AT TIE-IN, NEW WORK TO EXISTING - PLAN VIEW  
SCALE (B)

NOTES:  
1. THE WORK DEPICTED IN DETAILS 2, 3, AND 4 SHALL BE PERFORMED EVEN IF THE PROJECT IS TERMINATED PRIOR TO FINISHING SEAWALL WORK.



DESIGNED: DW,GA	SUB SHEET NO. <b>G4</b>	TITLE OF SHEET <b>NEW WORK TO EXISTING</b>	DRAWING NO. <b>802</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET 5 of 52

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



**LEGEND**

- x — STAGING FENCE
- o — CONSTRUCTION FENCE
- □ — STOCKADE FENCE
- - - PUBLIC ACCESS
- MATERIALS AND PERSONNEL PATH
- ▨ LIMITS OF CONSTRUCTION
- ▩ STAGING AREA

**GENERAL NOTES**

- CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO JEFFERSON MEMORIAL FROM THE SOUTH PLAZA AND TERRACE MALL.
- SEE T3 FOR PEDESTRIAN TRAFFIC SIGNAGE AND FLOW.
- SEE T4 FOR TREE PRESERVATION PLAN AND DETAILS
- SOURCE FOR TEMPORARY POWER IS FROM THE OUTLETS ON THE PLAZA.
- MATERIALS SHALL NOT BE STACKED HIGHER THAN 5' IN STAGING AREA.
- VEHICLE BARRIER OPERATION AT WEST ENTRANCE IS UNDER USPP JURISDICTION.
- FOR FENCE TYPES SEE SPECIFICATION 01 56 00.
- THE CONTRACTOR SHALL REMOVE, PROTECT, AND STORE THE BOLLARDS AND ASSOCIATED METAL GATES AS NECESSARY. REMOVAL OF THE BOLLARDS SHALL BE BY RAISING THE CONCRETE FILLED BOLLARD VERTICALLY OUT OF ITS SLEEVE. DURING REMOVAL, THE CONTRACTOR SHALL EITHER PROTECT IN-PLACE OR REMOVE AND PROTECT THE GRANITE TRIM AROUND EACH BOLLARD. CONTRACTOR SHALL INSTALL AND MAINTAIN PROTECTION OF ANY REMAINING GRANITE TRIM AND THE REMAINING BOLLARD SLEEVE AND CAVITY FOR THE DURATION OF WORK. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL REINSTALL ANY/ALL REMOVED BALLARDS, GRANITE TRIM, AND ASSOCIATED METAL GATES IN ACCORDANCE WITH THE REFERENCED DRAWINGS, OR IF ACTUAL FIELD INSTALLATION WAS DIFFERENT THAN SHOWN ON THE REFERENCED DRAWINGS, THEN IN ACCORDANCE WITH THEIR ORIGINAL METHOD OF INSTALLATION. ANY DAMAGE TO ANY OF THESE FEATURES DURING REMOVAL, STORAGE AND REINSTALLATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE GOVERNMENT.

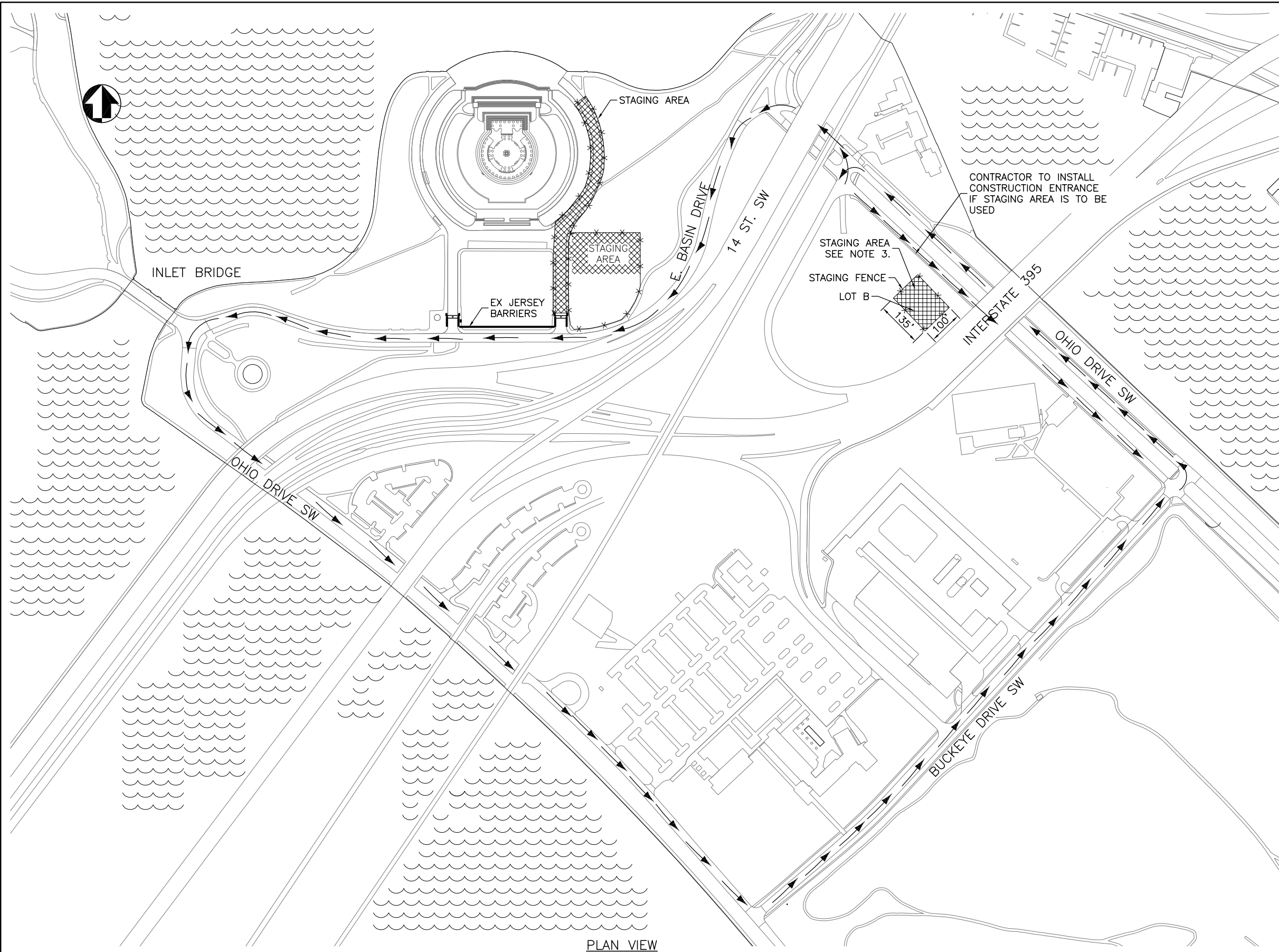
4/2/09 11:39 NFAHEY R17 c:\2006\085\06150078.J JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\TUE\128232\GEN\T1 TEMPORARY ACCESS.DWG

NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS  
PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

DESIGNED: DW, JG, HR	<b>T1</b>	TITLE OF SHEET <b>CONTRACTOR ACCESS PLAN VIEW</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>6 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 17:52 NFAHEY R17 c:\2006\085\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\GEN\T2 TRAFFIC-STAGING.DWG XREFS: ..\BASES\XC-BASEMAP.DWG;



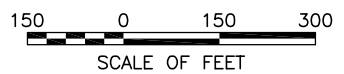
PLAN VIEW

**LEGEND**

- x— STAGING FENCE
- ← TRAFFIC FLOW TO AND FROM OFF SITE STAGING AREA
- ▨ STAGING AREA

**NOTES**

1. REFER TO SHEET T1 GENERAL NOTES.
2. USE OF THE INLET BRIDGE FOR EQUIPMENT AND MATERIAL TRANSPORTATION OR OTHER CONSTRUCTION TRAFFIC IS PROHIBITED.
3. CONTRACTOR MAY USE ADDITIONAL LOT B STAGING AREA SHOWN ON OHIO DRIVE. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR AND MAINTENANCE OF THE AREA. THE CONTRACTOR SHALL RESTORE THE AREA BY REMOVING FENCING AND GRAVEL AND REPLACING IT WITH TOPSOIL AND SOD AT THE END OF THE PROJECT.
4. CONTRACTOR SHALL DETERMINE BRIDGE CLEARANCE REQUIREMENTS FOR ACCESS TO AND FROM LOT B STAGING AREA.
5. MATERIALS SHALL NOT BE STACKED HIGHER THAN 5' IN STAGING AREA.

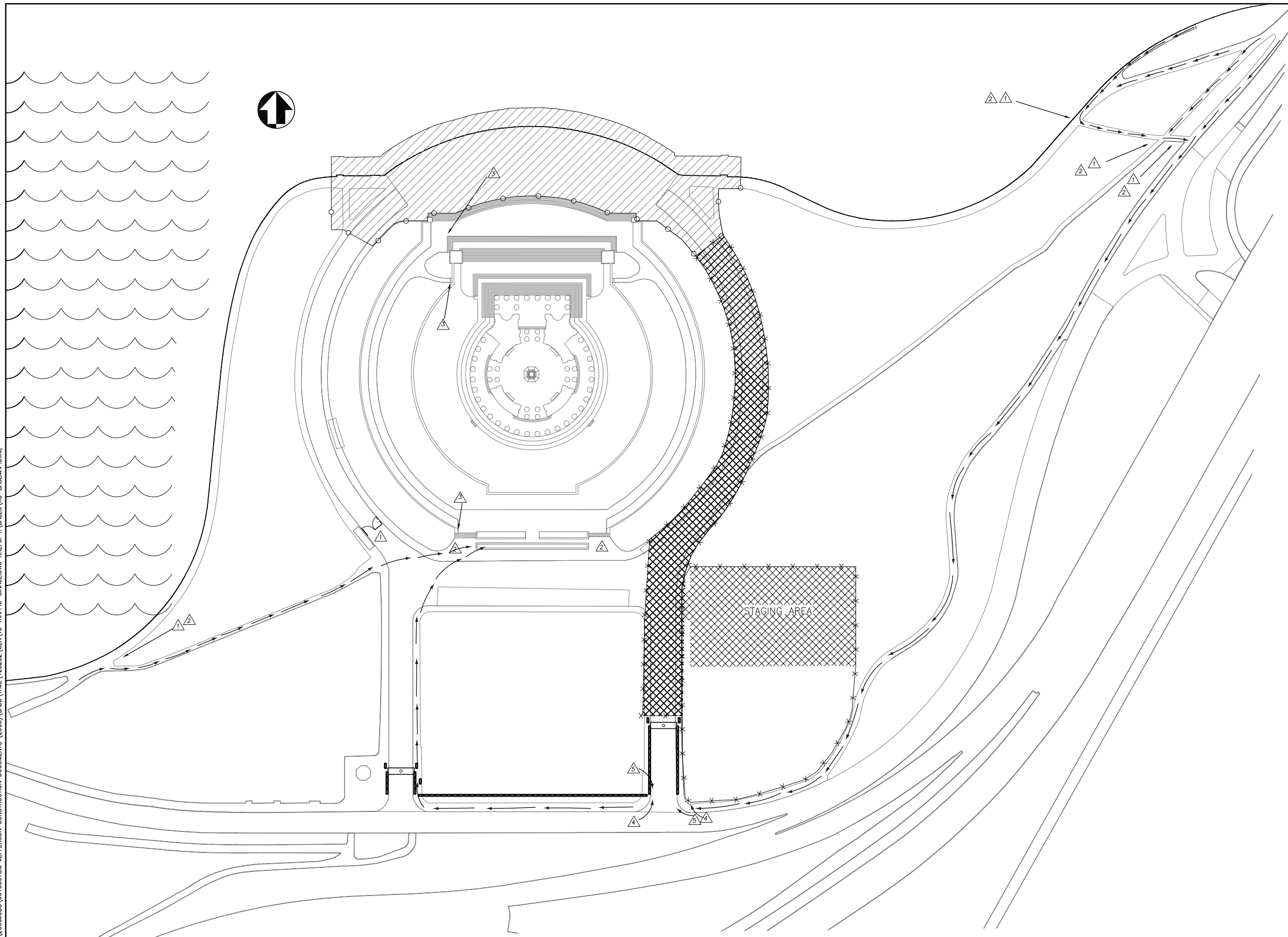


NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS  
PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

DESIGNED: DW, JG, HR	T2	TITLE OF SHEET		DRAWING NO.
CADD NSF, MD		STAGING AND		802
TECH. REVIEW: DW, JG		TRAFFIC FLOW		25002A
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS		PMIS/PKG NO. 128232
				SHEET 7 of 52

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:10 NFAHEY R17 c:\2006\085\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\TUE\128232\GEN\T3 TRAFFIC-SIGNAGE.DWG XREFS: ..\BASES\XC-BASEMAP.DWG;



**LEGEND**

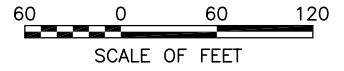
- x— STAGING FENCE
- CONSTRUCTION FENCE
- ← PEDESTRIAN TRAFFIC FLOW
- ▨ LIMITS OF CONSTRUCTION
- ▩ STAGING AREA

**NOTES**

1. REFER TO SHEET T1 GENERAL NOTES
2. PEDESTRIAN SIGNS SHALL BE PROVIDED ON POSTS WITH BASES AND SHALL BE RELOCATABLE.
3. INSTALL AND MAINTAIN, IN FIRST CLASS CONDITION, A PAINTED CROSS WALK WHERE PEDESTRIANS MUST CROSS THE CONSTRUCTION ENTRANCE.

**PEDESTRIAN TRAFFIC SIGNAGE NOTES**

- △ THE JEFFERSON MEMORIAL NORTH PLAZA IS CLOSED FOR RENOVATIONS. PLEASE USE THE SOUTH PLAZA ENTRANCE.
- △ JEFFERSON MEMORIAL SOUTH PLAZA →
- △ TERRACE WALKWAY CLOSED FOR RENOVATIONS (FOR USE ONLY DURING RENOVATIONS TO TERRACE WALKWAY. AREA TO REMAIN OPEN DURING ALL OTHER TIMES).
- △ CAUTION CONSTRUCTION ENTRANCE
- △ YIELD TO PEDESTRIANS



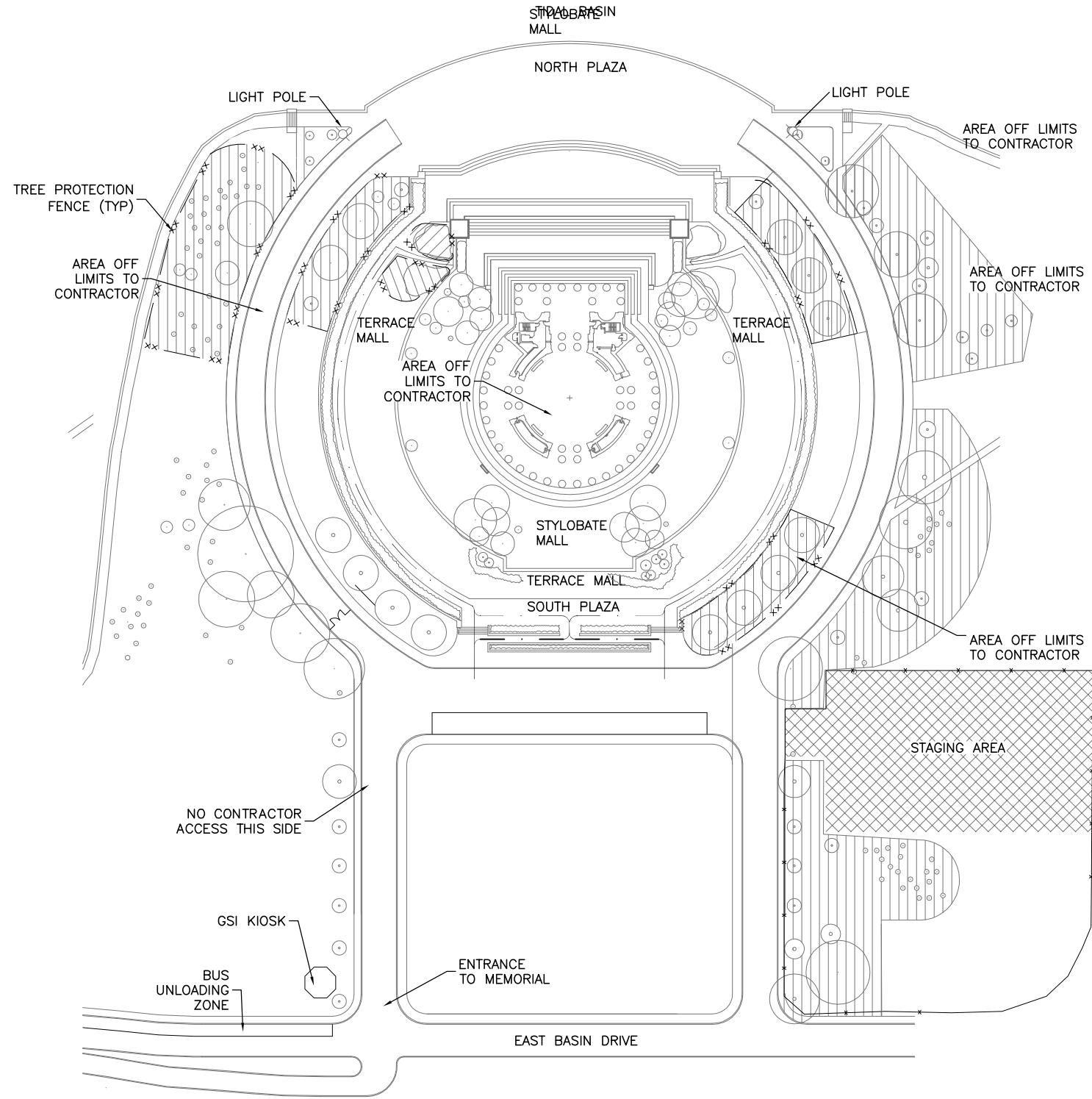
PLAN VIEW

NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS  
PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

DESIGNED: DW, JG, HR	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD NSF, MD	<b>T3</b>	<b>PEDESTRIAN TRAFFIC SIGNAGE AND FLOW</b>	<b>802</b>
TECH. REVIEW: DW, JG			<b>25002A</b>
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
			SHEET <b>8</b> of <b>52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 17:51 NFAHEY R17 c:\2006\085\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\T4E\128232\GEN\T4 TREE PRESERVATION.DWG



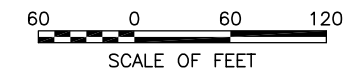
TREE PROTECTION- PLAN VIEW

**LEGEND**

— x — STAGING FENCE  
 — xx — TREE PROTECTION FENCE  
 [Hatched Box] ROOT PROTECTION

**NOTES**

- REFER TO SHEET T1 GENERAL NOTES.
- TREES SHALL BE PROTECTED BY 4 FT HIGH FENCING, BARRICADES, OR WRAPPING AND APPROVED BY THE CONTRACTING OFFICER.
- SHRUBS AND BUSHES SHALL BE PROTECTED BY FENCES.
- SHALLOW ROOTED PLANTS SHALL BE PROTECTED AT GROUND SURFACE UNDER AND, IN SOME CASES, OUTSIDE THE SPREAD OF BRANCHES BY FENCES BARRICADES OR GROUND COVER PROTECTION AND APPROVED BY THE CONTRACTING OFFICER.
- BARRICADES AND CONSTRUCTION FENCING NOT SHOWN FOR CLARITY.



DESIGNED: DW, JG, HR	SUB SHEET NO. <b>T4</b>	TITLE OF SHEET <b>TREE PROTECTION PLAN VIEW</b>	DRAWING NO. <b>802</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET 9 of 52
DATE: 4-2-09			

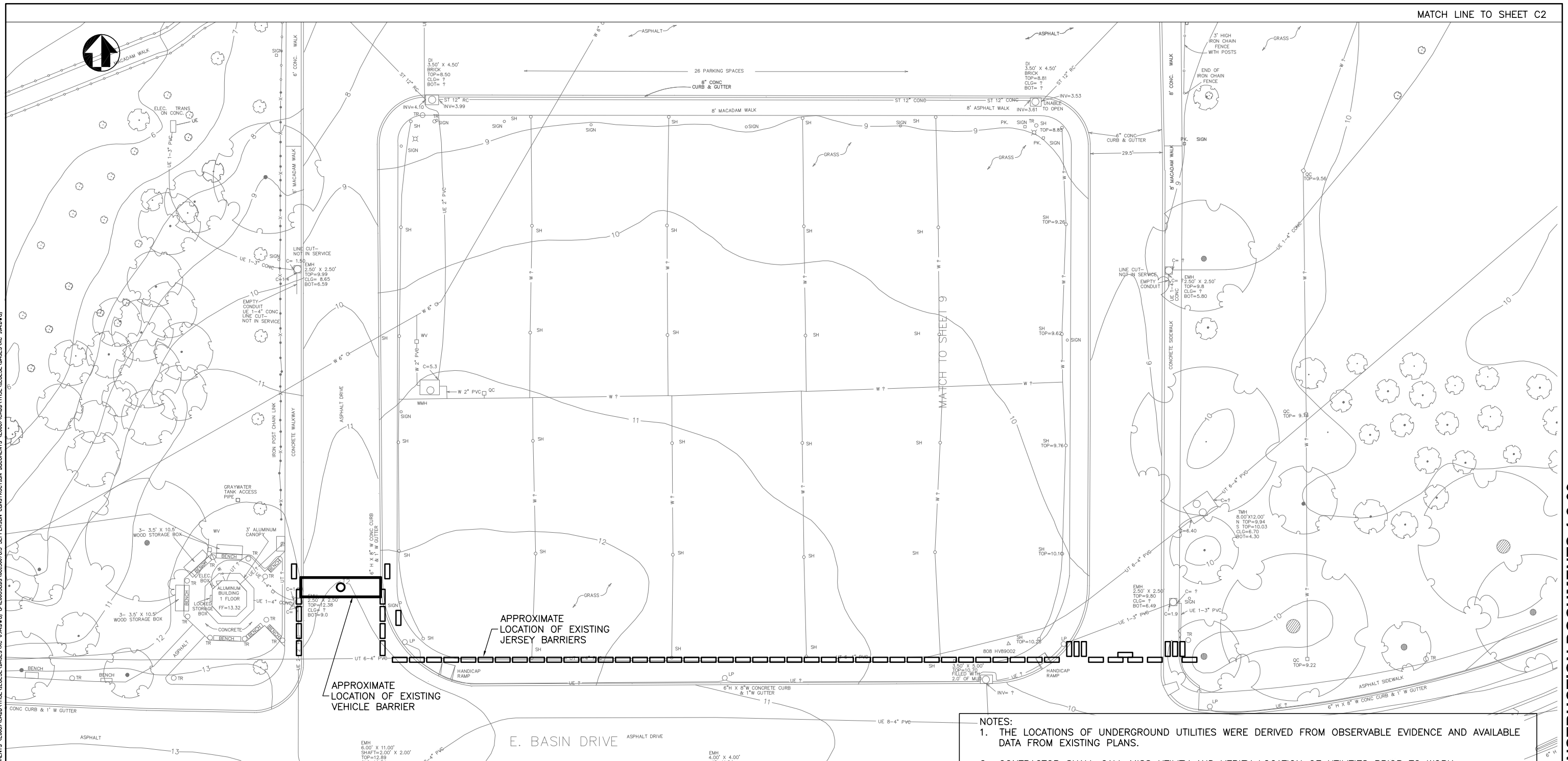
NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09







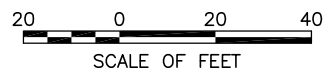


PLAN VIEW

- NOTES:
1. THE LOCATIONS OF UNDERGROUND UTILITIES WERE DERIVED FROM OBSERVABLE EVIDENCE AND AVAILABLE DATA FROM EXISTING PLANS.
  2. CONTRACTOR SHALL CALL MISS UTILITY AND VERIFY LOCATION OF UTILITIES PRIOR TO WORK.
  3. ALL ELEVATIONS SHOWN ARE BASED ON MEAN SEA LEVEL DATUM OF 1929 - NVGD 1929; NVGD 1929 DATUM IS APPROXIMATELY 1.36 FEET LOWER THAN HISTORICAL DATUM.
  4. EXISTING TOPOGRAPHIC SURVEY INFORMATION BASED ON HISTORICAL DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ALIGNMENTS IMPACTING EXECUTION OF WORK PRIOR TO COMMENCEMENT OF DEMOLITION.
  5. CONTRACTOR SHALL PROTECT, MAINTAIN AND PROVIDE ACCESS TO EXISTING INSTRUMENTATION.
  6. VEHICLE BARRIER OPERATION AT WEST ENTRANCE IS UNDER UNITED STATES PARK POLICE JURISDICTION.
  7. REFER TO SHEET E2 FOR CONSTRUCTION ENTRANCE ELECTRICAL PLAN.

LEGEND

- JMI-01 INCLINOMETER AND VIBRATING WIRE PIEZOMETERS (2006 & 2008)
- JMW-01 STAND PIPE PIEZOMETERS (2006)
- JME-01 EXTENSOMETER (2008)



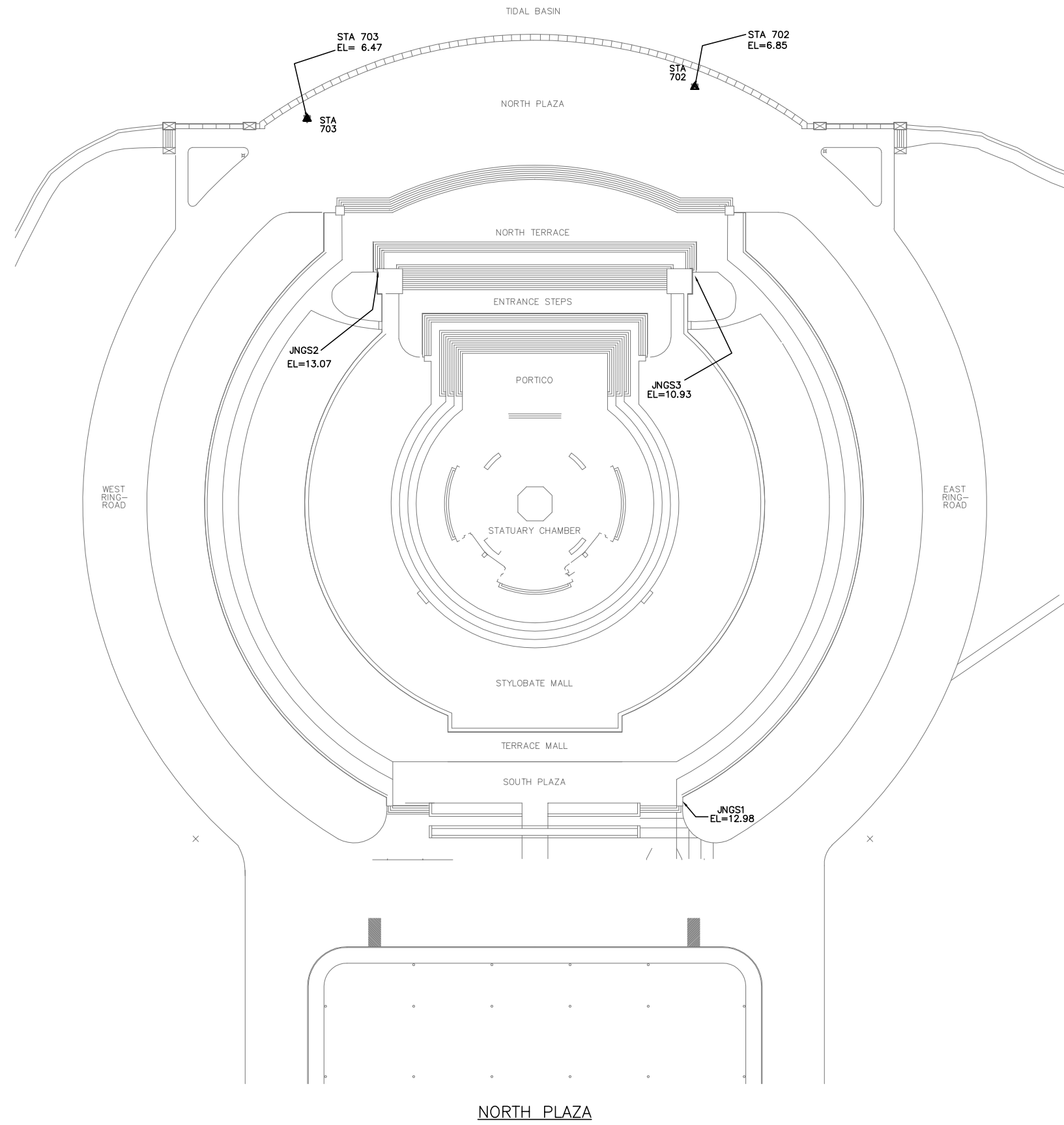
DESIGNED: DW, JG, HR	C3	TITLE OF SHEET <b>EXISTING CONDITIONS PLAN VIEW (CON'T)</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD		PMIS/PKG NO. 128232	
TECH. REVIEW: DW, JG		SHEET <b>12</b> of <b>52</b>	
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	

NOTE:  
GEOMETRY BASED ON SURVEY DATA BY  
DEWBERRY & DAVIS AND GREENHORNE &  
O'MARA, INC. DWG. 808/80281 DATED JULY  
1991, APRIL 1992, AND MARCH 1993.

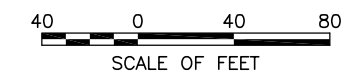
4/1/09 1810 NFAHEY B77 6/2006.DBS.06150078.J. JEFFERSON CONSTRUCTION DOCUMENTS (2006)CAD\THE.128232.BASES.VC-10A.DWG; G:\2006.DBS.06150078.J. JEFFERSON CONSTRUCTION DOCUMENTS (2006)CAD\THE.128232.BASES.VC-10A.DWG

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:10 NFAHEY R17 G:\2006\065\0615007&J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THEJE\128232\GEN\C4 SURVEY.DWG XREFS: ..\BASES\XC-AREF.DWG;



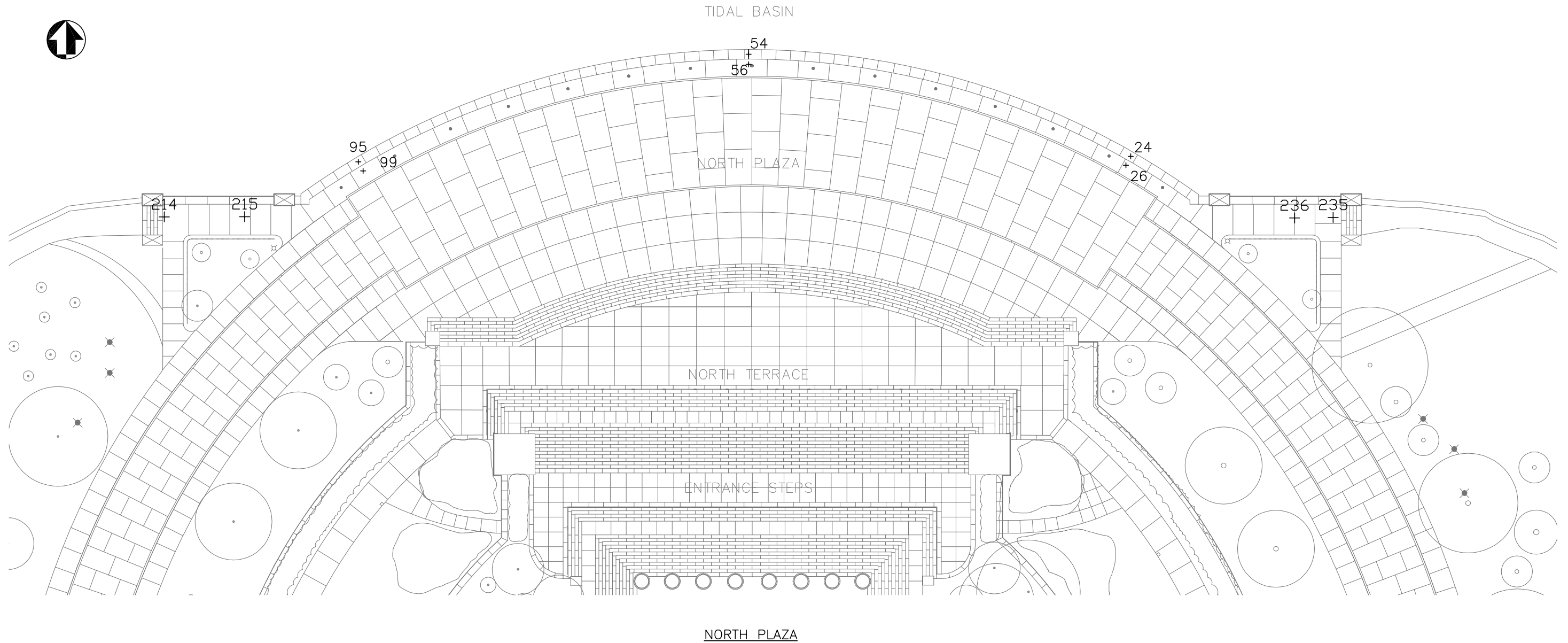
- NOTES**
1. A MAIN VERTICAL CONTROL LOOP AND VERTICAL QUARTER MONITORING LOOPS WERE BASED ON BENCHMARK INFORMATION PROVIDED BY THE NATIONAL PARK SERVICE. THE VERTICAL DATUM IS THE NATIONAL PARK SERVICE MSL 1929 DATUM. THE ELEVATIONS SHOWN HEREIN ARE BASED ON THE ELEVATION OF 10.57 FEET GIVEN FOR NATIONAL PARK SERVICE BENCHMARK 809HV830P1, DATED JULY 1983. THE BENCHMARK IS A NPS ALUMINUM CAP IN CONCRETE, FLUSH WITH THE GROUND, LOCATED NE OF THE WASHINGTON MONUMENT BETWEEN 14TH STREET, 15TH STREET, MADISON DRIVE AND CONSTITUTION AVE. SEE SPECIFICATION 02 21 13.
  2. STATION 702 AND STATION 703 ARE SCRIBES CUT IN THE CENTER OF A GRANITE CURB.
  3. JNGS1, JNGS2 AND JNGS3 ARE STAINLESS STEEL PLUGS SCREWED INTO A PIPE THAT IS FLUSH WITH THE VERTICAL WALL. FOR PRECISE LEVELING, THE PLUG IS UNSCREWED AND A SPECIAL STAINLESS STEEL BOLT IS INSERTED IN THE PIPE FOR THE REFERENCE POINT. THE SPECIAL STAINLESS STEEL BOLT CAN BE OBTAINED FROM THE NATIONAL PARK SERVICE.
  4. CONTRACTOR SHALL PROTECT, MAINTAIN AND PROVIDE ACCESS TO EXISTING SURVEY BENCHMARKS.



DESIGNED: DW, JG, HR	C4	TITLE OF SHEET <b>CONTROL AND SURVEY</b>	DRAWING NO. <b>802</b>
NSF		PMIS/PKG NO. 128232	
TECH. REVIEW: DW, JG		SHEET	
DATE: 4-2-09		<b>13</b> of <b>52</b>	
		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:10 NFAHEY R17 C:\2006\065\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\CIVIL\C5 PLAZA PLAN.DWG XREFS: G:\2006\065\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XC-AREF.DWG;

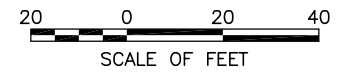


NORTH PLAZA

**NOTES**

- ELEVATIONS PROVIDED ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED BY CONTRACTOR AS SITE SURVEY REQUIREMENTS.
- CONTRACTOR SHALL, AT A MINIMUM, PROVIDE TO THE CONTRACTING OFFICER ELEVATIONS AT THE POINTS SHOWN ON THIS DRAWING AS PART OF THE PRE AND POST SURVEY IN ACCORDANCE WITH SPECIFICATION 02 21 13.

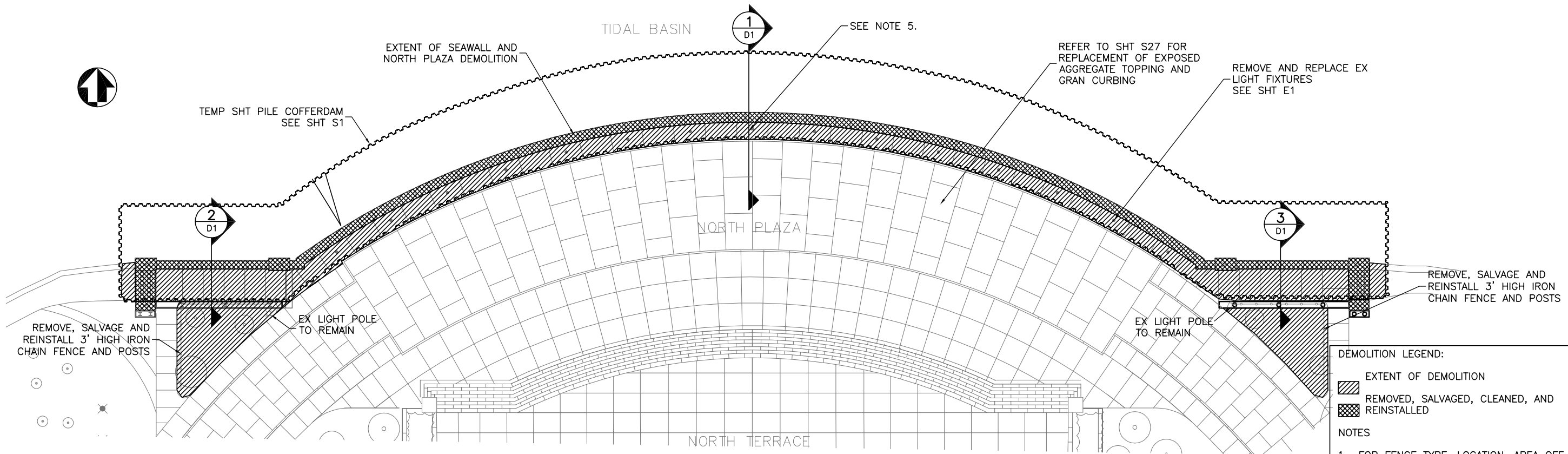
PLAZA ELEVATIONS (FEET)		
POINT NUMBER	12/8/2008	3/5/2009
214	5.210	
215	5.580	
95	5.533	
99	6.133	
54	6.015	
56	6.387	
24	6.420	
26	6.540	
236	6.280	
235	6.330	



DESIGNED: DW, JG, HR CADD NSF, MD TECH. REVIEW: DW, JG DATE: 4-2-09	SUB SHEET NO.  <b>C5</b>	TITLE OF SHEET <b>NORTH PLAZA ELEVATIONS PLAN VIEW</b> THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. <b>802 25002A</b> PMIS/PKG NO. 128232 SHEET <b>14 of 52</b>
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100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:31 NFAHEY R17 c:\2006\065\06150076.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\CIVIL D1 DEMO.DWG  
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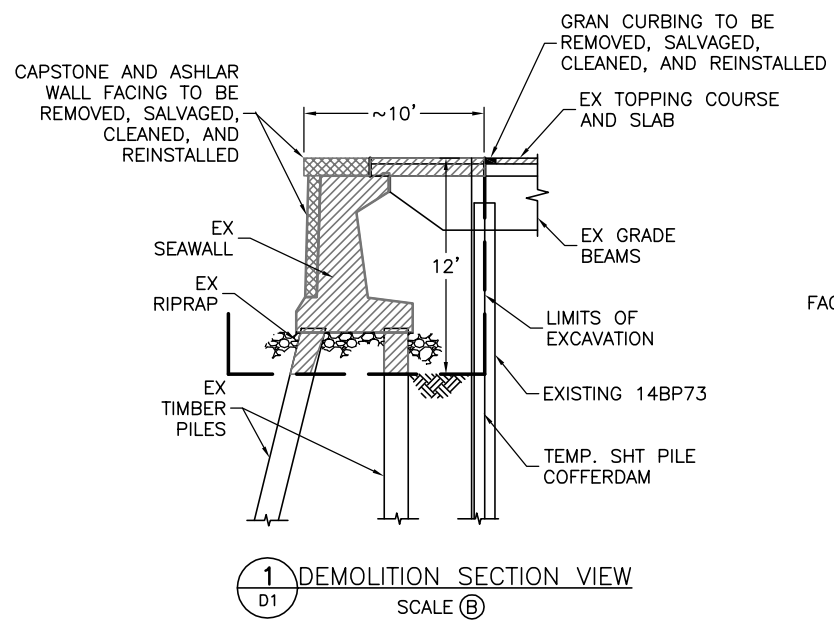
NORTH PLAZA  
SCALE (A)

**DEMOLITION LEGEND:**

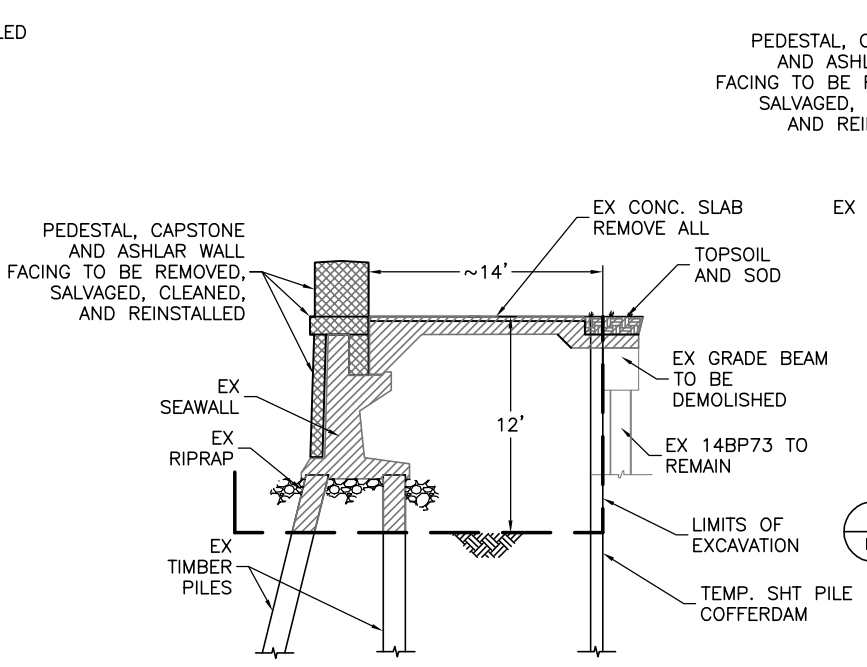
▨ EXTENT OF DEMOLITION

▩ REMOVED, SALVAGED, CLEANED, AND REINSTALLED

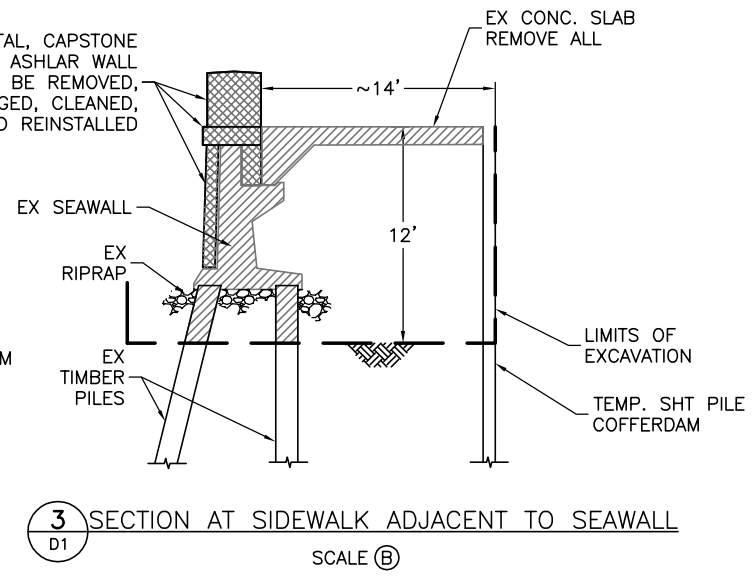
- NOTES**
- FOR FENCE TYPE, LOCATION, AREA OFF LIMITS TO CONTRACTOR AND AREA OF REQUIRED PROTECTION SEE SHEET T1.
  - SEAWALL, PLAZA SLAB AND TOPPING COURSE SHALL BE REMOVED AND DISPOSED OF OFF-SITE. REFER TO S27 FOR EXTENT OF PLAZA SLAB DEMOLITION.
  - LIMITED AREAS OF THE RING ROAD AND PLAZA HAVE BEEN PATCHED OR REPLACED W/ASPHALT PAVING.
  - EXISTING RIPRAP MAY BE REUSED AT TOE OF NEW SEAWALL, IF SALVAGABLE AND APPROVED BY THE CONTRACTING OFFICER. SEE SHEETS S5, S6, S11 & S12.
  - CONTRACTOR TO REMOVE EXISTING CONDUIT BACK TO CONVENIENT INTERFACE POINT AND POWER SERVICE BACK TO EXISTING UTILITY BOX.
  - CONTRACTOR SHALL REMOVE CROSS SECTION OF REMOVED TIMBER PILE AND PROVIDE TO CONTRACTING OFFICER FOR DENDROCHRONOLOGICAL STUDY.
  - CONTRACTOR SHALL PROVIDE BUOY SYSTEM IN TIDAL BASIN AROUND WORK IN ACCORDANCE WITH SPECIFICATION 01 56 00.
  - ANY ITEMS/OBJECTS FOUND THROUGH THE DEWATERING PROCESS AND/OR EXCAVATION ARE THE PROPERTY OF THE NPS.
  - ACTUAL EXTENT OF WORK WILL BE DEPENDENT ON WHICH CLINs HAVE BEEN AWARDED. SEE SHT G3.
  - CONTRACTOR SHALL REMOVE EXISTING PINE TREES WITHIN THE TRIANGULAR AREA ADJACENT TO THE RING ROAD AND SIDEWALK BEHIND THE SEAWALL AND REPLACE IN KIND AT THE END OF CONTRACT.



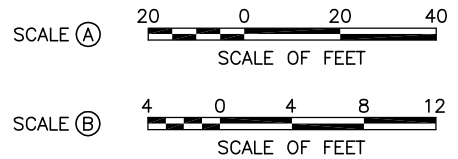
1 DEMOLITION SECTION VIEW  
SCALE (B)



2 SECTION AT SIDEWALK ADJACENT TO SEAWALL  
SCALE (B)



3 SECTION AT SIDEWALK ADJACENT TO SEAWALL  
SCALE (B)

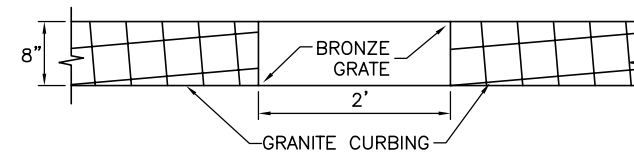


NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

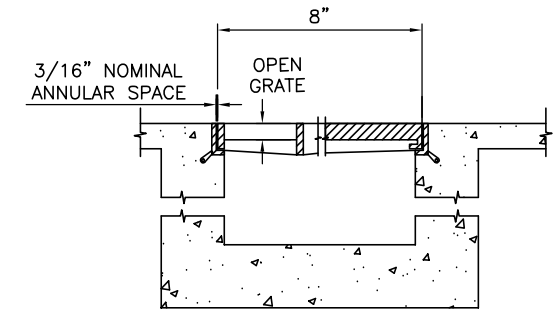
DESIGNED: DW, JG, HR	SUB SHEET NO. <b>D1</b>	TITLE OF SHEET <b>SEAWALL AND PLAZA DEMOLITION PLAN VIEW</b>	DRAWING NO. <b>802 25002A</b>
CADD NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET 15 of 52
DATE: 4-2-09			

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

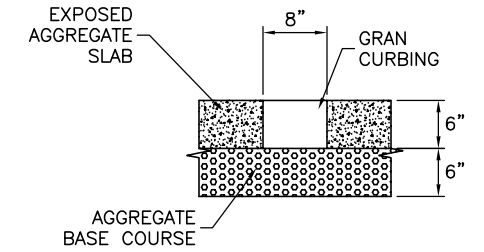




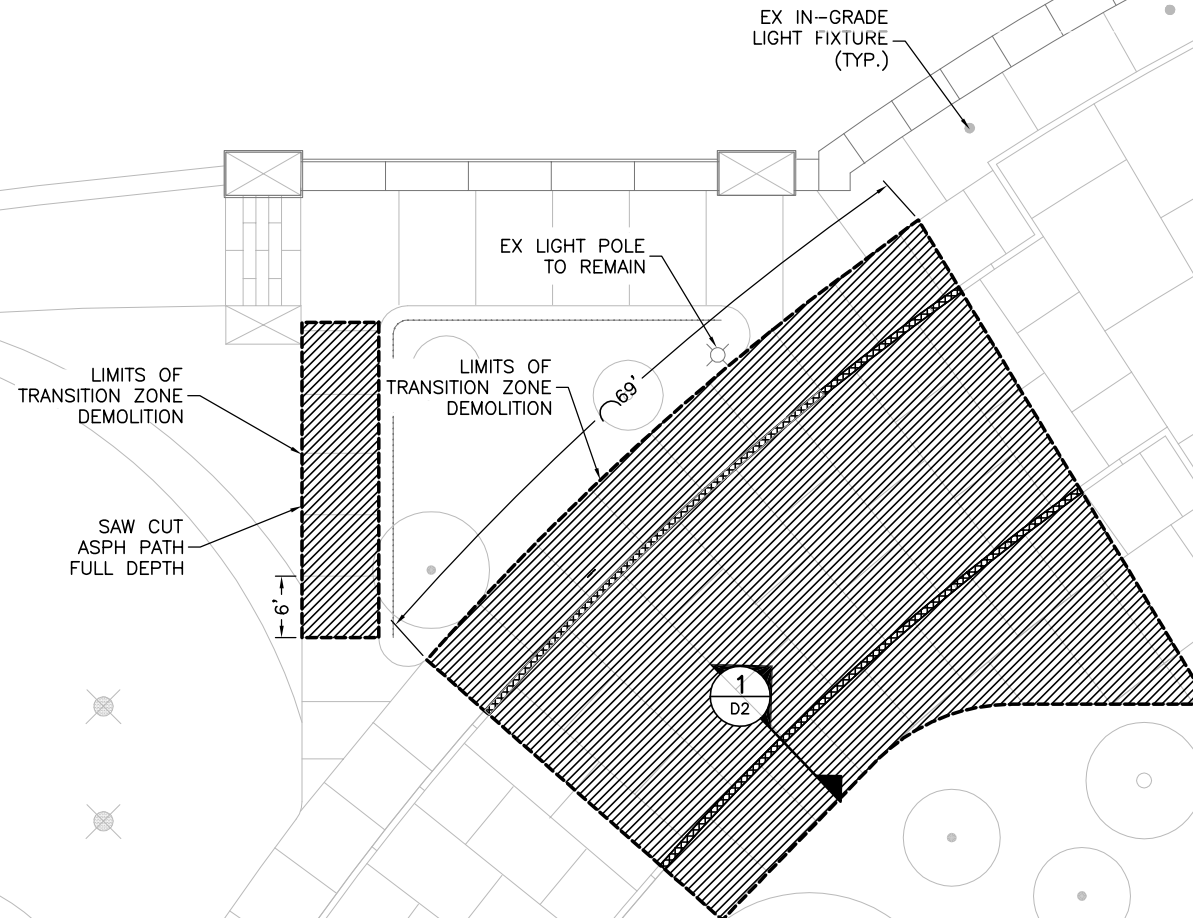
EXISTING DRAINAGE GRATE — PLAN VIEW  
NO SCALE



EXISTING DRAINAGE GRATE — SECTION VIEW  
NO SCALE



1 EXISTING RING ROAD TYP.  
D2 NO SCALE



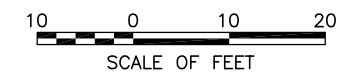
WEST TRANSITION DEMOLITION

DEMOLITION LEGEND:

- EXTENT OF DEMOLITION
- REMOVED, SALVAGED, CLEANED, AND REINSTALLED

NOTES

1. FOR FENCE TYPE, LOCATION, AREA OFF LIMITS TO CONTRACTOR AND AREA OF REQUIRED PROTECTION SEE SHEET T1.
2. SEAWALL, PLAZA SLAB AND TOPPING COURSE SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
3. LIMITED AREAS OF THE RING ROAD AND PLAZA HAVE BEEN PATCHED OR REPLACED W/ASPHALT PAVING.
4. DRAINAGE GRATES EXIST ALONG THE RING ROAD, SET IN GRANITE CURBING, AT AN APPROXIMATE 25' INTERVAL. APPROXIMATELY 3 EXIST WITHIN THE TRANSITION ZONE. ACTUAL LOCATIONS VARY.
5. CONTRACTOR SHALL REMOVE EXISTING PINE TREES WITHIN THE TRIANGULAR AREA ADJACENT TO THE RING ROAD AND SIDEWALK BEHIND THE SEAWALL AND REPLACE IN KIND AT THE END OF CONTRACT.



DESIGNED:  
DW, JG, HR  
CADD  
NSF, JM  
TECH. REVIEW:  
DW, JG  
DATE:  
4-2-09

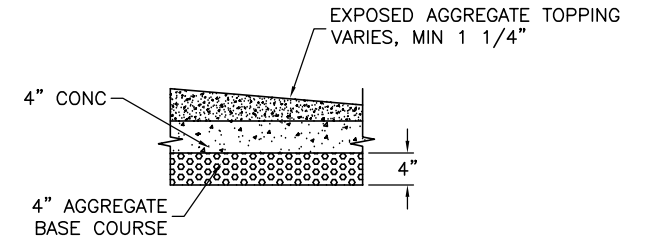
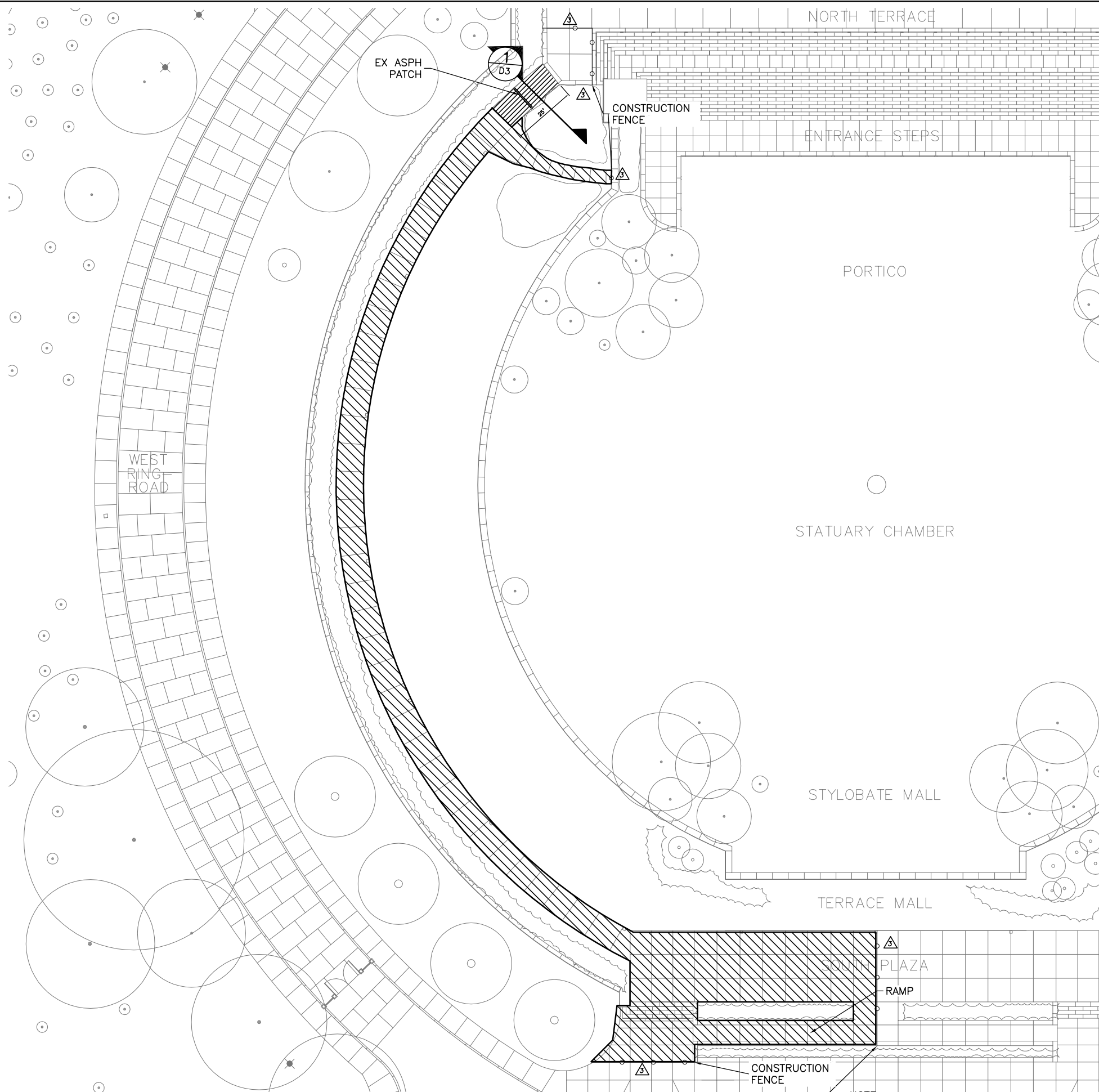
SUB SHEET NO.  
**D2**

TITLE OF SHEET  
**TRANSITION ZONE  
DEMOLITION WEST  
RING ROAD**  
THOMAS JEFFERSON MEMORIAL  
NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.  
**802  
25002A**  
PMIS/PKG NO.  
128232  
SHEET  
**16 of 52**

NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS  
PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

4/2/09 11:39 NFAHEY R17 G:\2006\06S\06150078.J. JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\CIVIL\03 WALKS.DWG XREFS: ..\BASES\XC-BEAMS.DWG; ..\BASES\XC-AXREF.DWG;



1 D3 EXISTING TERRACE WALKWAY  
NO SCALE

**PEDESTRIAN TRAFFIC SIGNAGE NOTES**

△ TERRACE WALKWAY CLOSED FOR RENOVATIONS (FOR USE ONLY DURING RENOVATIONS TO TERRACE WALKWAY. AREA TO REMAIN OPEN DURING ALL OTHER TIMES.)

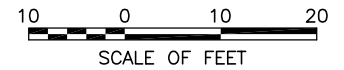
**DEMOLITION LEGEND:**

▨ EXTENT OF DEMOLITION

▩ CLOSED TO THE PUBLIC DURING WORK AT TERRACE WALKWAY

**NOTES**

1. FOR AREA OFF LIMITS TO CONTRACTOR AND AREA OF REQUIRED PROTECTION SEE SHEET T1.
2. TERRACE WALKWAY SLAB SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
3. LIMITED AREAS OF THE RING ROAD AND PLAZA HAVE BEEN PATCHED OR REPLACED W/ASPHALT PAVING.
4. FOR FENCE TYPES SEE SPECIFICATION 01 56 00.
5. THE EXISTING CONDITIONS PLAN INDICATES A 12" CORRUGATED METAL PIPE IN THE AREA OF THE TERRACE WALKWAY CONSTRUCTION. THE CONTRACTOR SHALL USE CARE DURING EXCAVATION AND RECONSTRUCTION ACTIVITIES TO NOT CAUSE DAMAGE TO THIS PIPE. DAMAGE CAUSED DURING CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT NO EXPENSE TO THE GOVERNMENT.



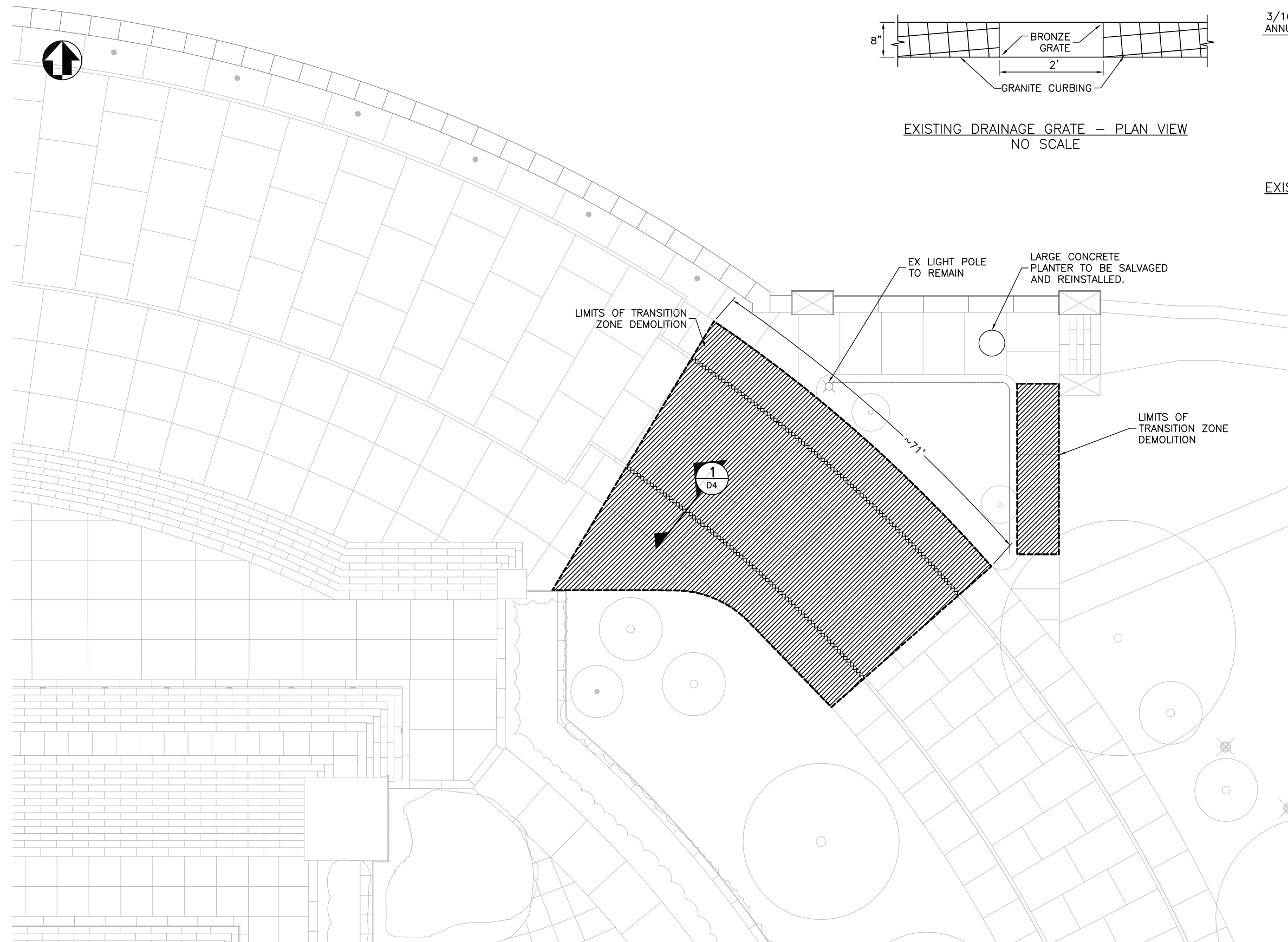
**TERRACE WALKWAY DEMOLITION**

NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

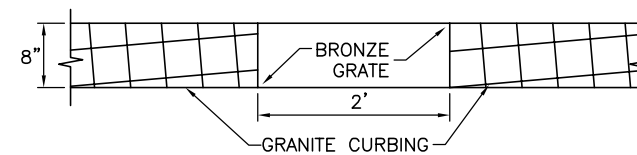
DESIGNED: DW, JG, HR	SUB SHEET NO. <b>D3</b>	TITLE OF SHEET <b>TRANSITION ZONE DEMOLITION TERRACE WALKWAY</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>17 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

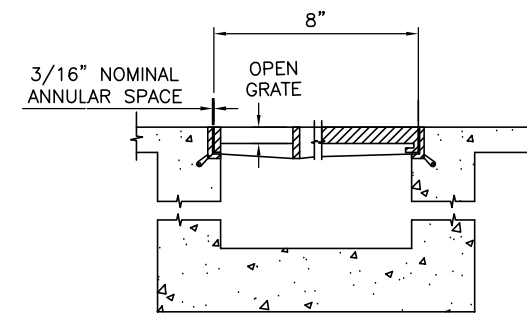
4/1/09 18:11 NFAHEY R17 G:\2006\06S\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\CIVIL\D4 TRANS E.DWG. XREFS: ..\BASES\XC-BEAMS.DWG; G:\2006\06S\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XC-AREF.DWG; ..\BASES\XC-GRATE.DWG;



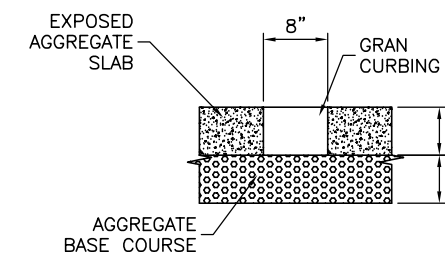
EAST TRANSITION DEMOLITION



EXISTING DRAINAGE GRATE - PLAN VIEW  
NO SCALE



EXISTING DRAINAGE GRATE - SECTION VIEW  
NO SCALE



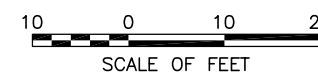
1 EXISTING RING ROAD TYP.  
D4 NO SCALE

DEMOLITION LEGEND:

- EXTENT OF DEMOLITION
- REMOVED, SALVAGED, CLEANED, AND REINSTALLED

NOTES

1. FOR FENCE TYPE, LOCATION, AREA OFF LIMITS TO CONTRACTOR AND AREA OF REQUIRED PROTECTION SEE SHEET T1.
2. SEAWALL, PLAZA SLAB AND TOPPING COURSE SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
3. LIMITED AREAS OF THE RING ROAD AND PLAZA HAVE BEEN PATCHED OR REPLACED W/ASPHALT PAVING.
4. PLANTERS LOCATED WITHIN LIMIT OF WORK SHALL BE SALVAGED AND REINSTALLED AT THE END OF CONTRACT.
5. DRAINAGE GRATES EXIST ALONG THE RING ROAD, SET IN THE GRANITE CURBING, AT AN APPROXIMATE 25' INTERVAL. APPROXIMATELY 3 EXIST WITHIN THE TRANSITION ZONE. ACTUAL LOCATIONS VARY.
6. CONTRACTOR SHALL REMOVE EXISTING PINE TREES WITHIN THE TRIANGULAR AREA ADJACENT TO THE RING ROAD AND SIDEWALK BEHIND THE SEAWALL AND REPLACE IN KIND AT THE END OF CONTRACT.



NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS  
PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

DESIGNED:  
DW, JG, HR  
CADD  
NSF, JM  
TECH. REVIEW:  
DW, JG  
DATE:  
4-2-09

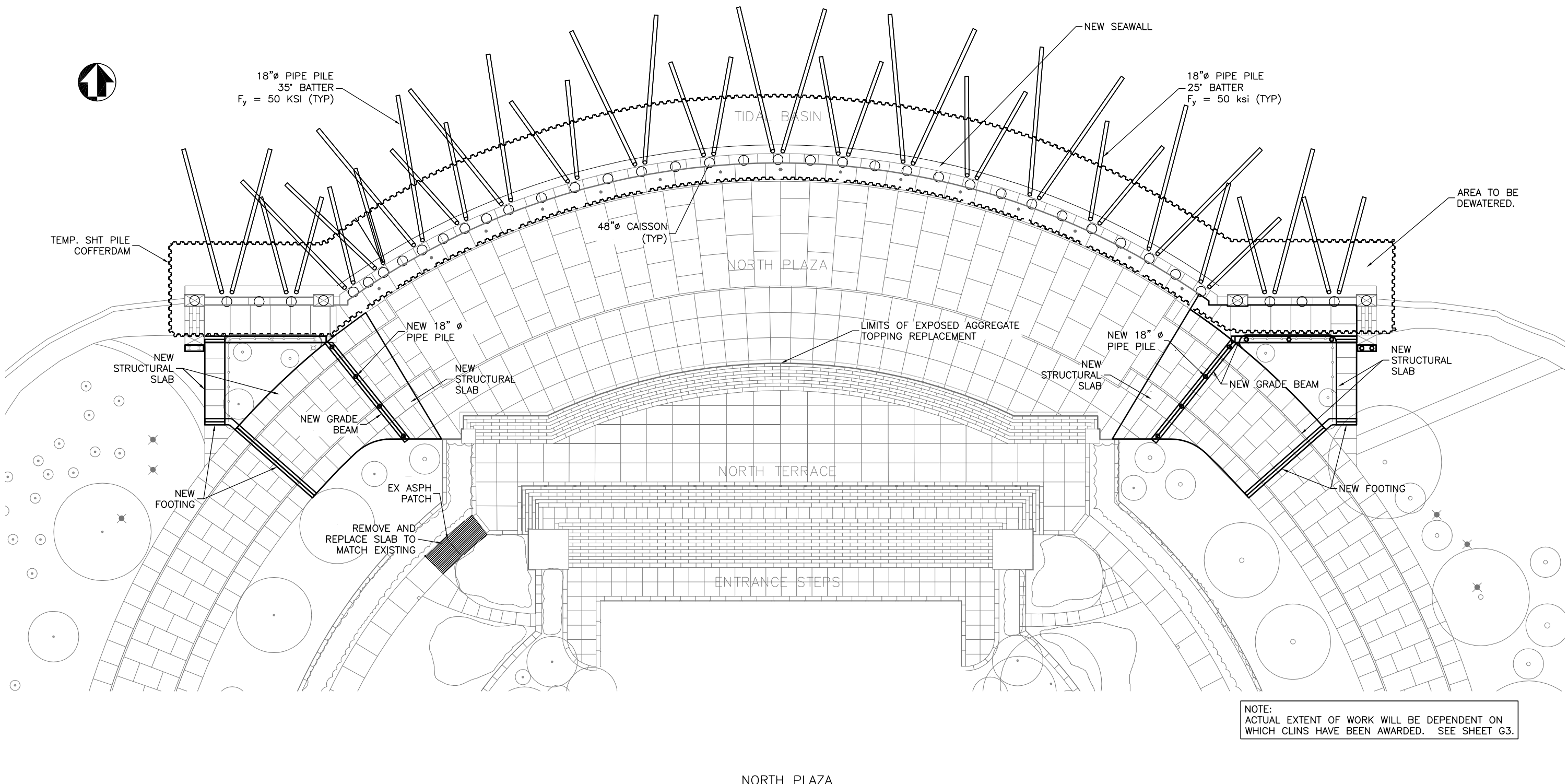
SUB SHEET NO.  
**D4**

TITLE OF SHEET  
**TRANSITION ZONE  
DEMOLITION  
EAST RING ROAD**  
THOMAS JEFFERSON MEMORIAL  
NATIONAL MALL AND MEMORIAL PARKS

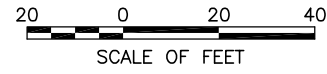
DRAWING NO.  
**802  
25002A**  
PMIS/PKG NO.  
128232  
SHEET  
**18 of 52**

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:11 NFAHEY R17 c:\2006\065\06150076\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S1 ALL WORK.DWG  
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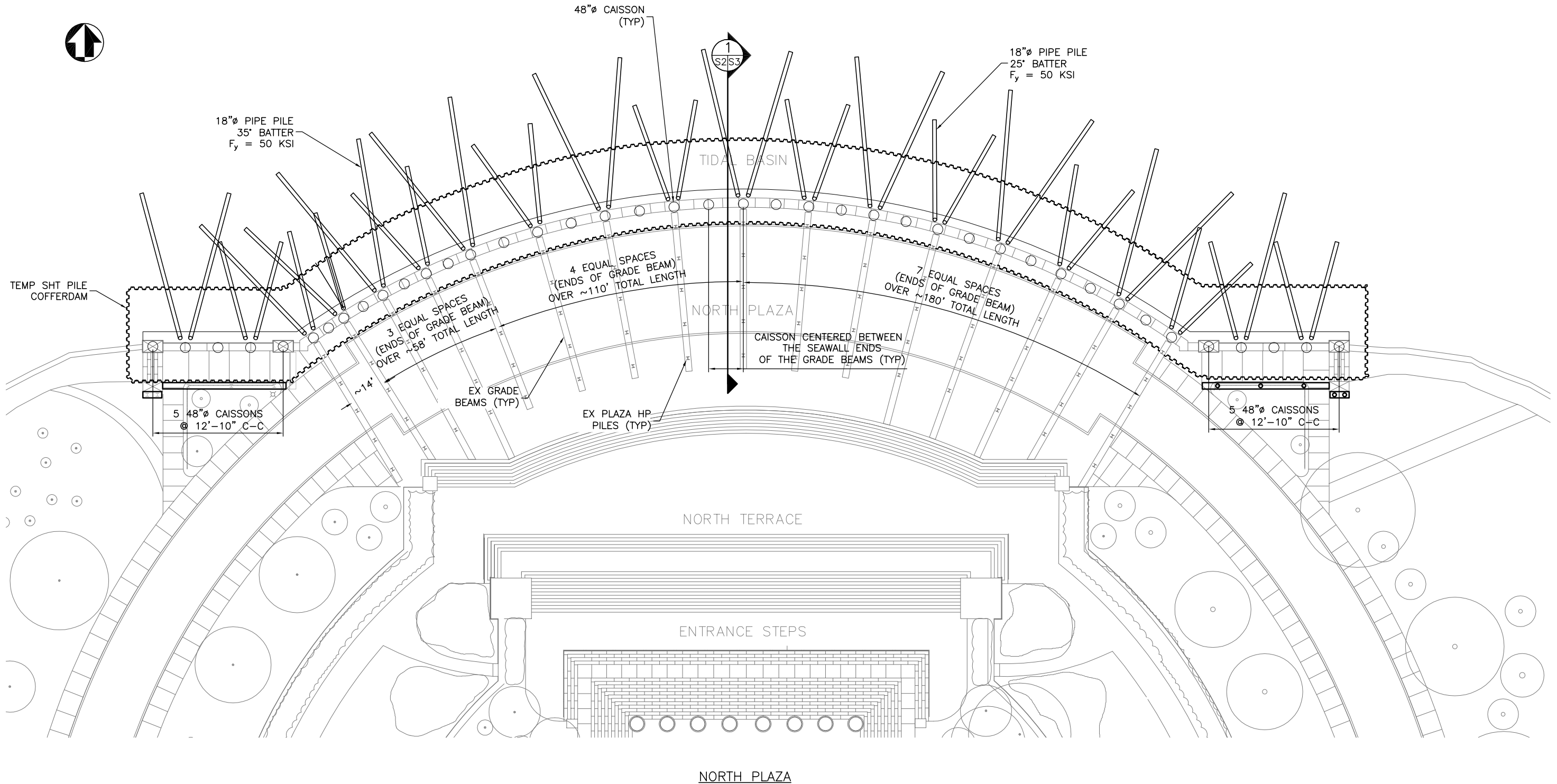
NOTE:  
ACTUAL EXTENT OF WORK WILL BE DEPENDENT ON  
WHICH CLINS HAVE BEEN AWARDED. SEE SHEET G3.



DESIGNED: DW, JG, HR	SUB SHEET NO.  <b>S1</b>	TITLE OF SHEET <b>PLAN VIEW ALL WORK</b>	DRAWING NO. <b>802</b>
NSF, MD			25002A
TECH. REVIEW: JG, DW			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET 19 of 52

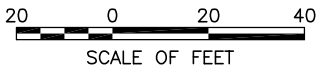
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:04 NFAHEY R17 c:\2006\085\06150078.J JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S2 N PLAZA.DWG XREFS: \BASES\XC-BEAMS.DWG; G:\2006\085\06150078.J JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XC-AREF.DWG;



**NOTES**

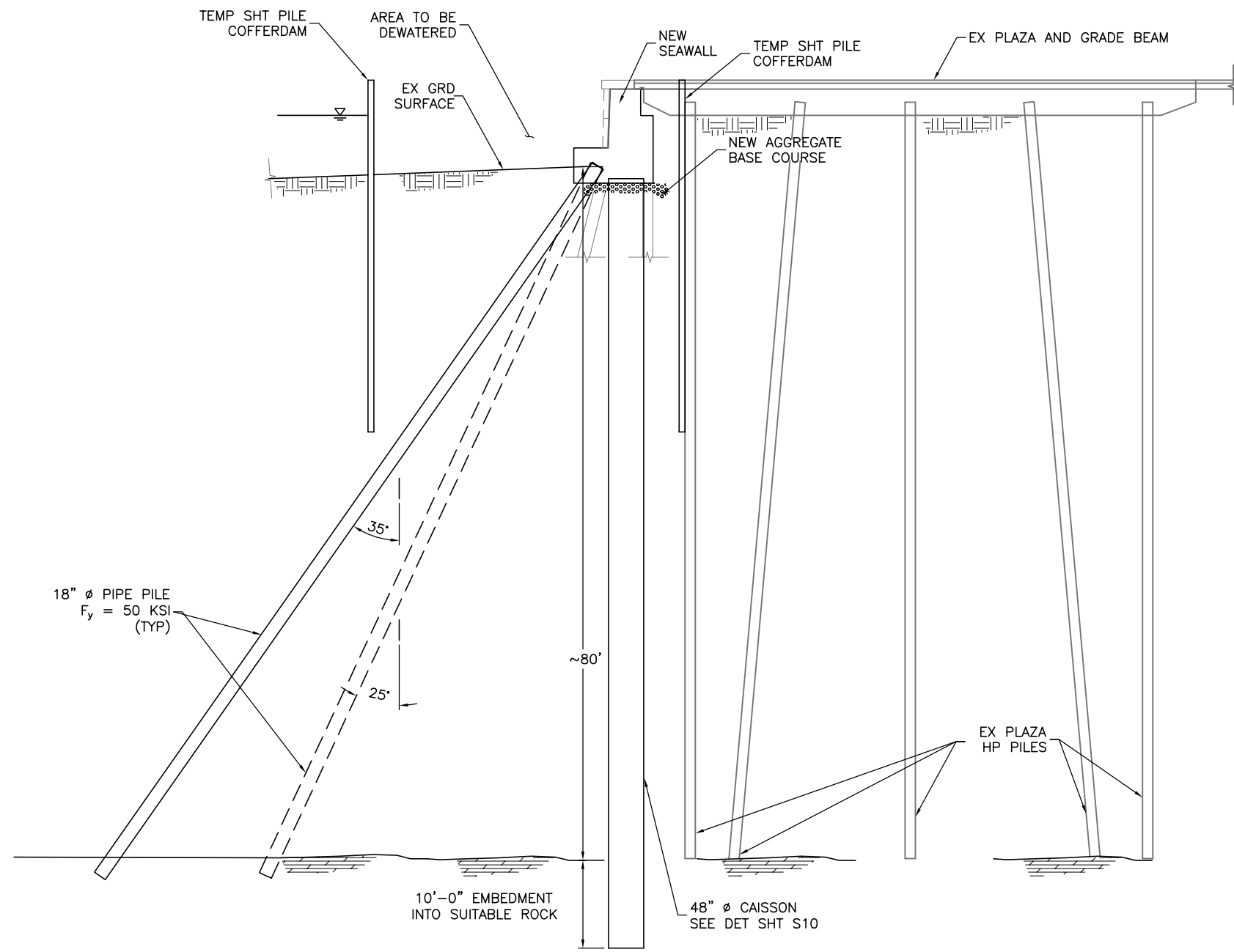
- REFER TO SHEET G1 GENERAL NOTES.
- SPACING OF GRADE BEAMS BASED ON HISTORICAL DOCUMENTS. GRADE BEAM LOCATIONS SHALL BE VERIFIED BY CONTRACTOR IN FIELD.



DESIGNED: DW, JG, HR	SUB SHEET NO. <b>S2</b>	TITLE OF SHEET <b>SEAWALL REMEDATION PLAN VIEW</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>20</b> of <b>52</b>
DATE: 4-2-09			

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/1/09 18:04 NFAHEY, R17 C:\2006\085\06150076.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S3 REPAIR.DWG



18"  $\phi$  PIPE PILE  
 $F_y = 50$  KSI  
 (TYP)

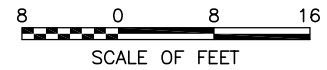
35°  
 25°

~80'

10'-0" EMBEDMENT  
 INTO SUITABLE ROCK

48"  $\phi$  CAISSON  
 SEE DET SHT S10

- NOTES**
- REFER TO SHEET G1 GENERAL NOTES.
  - REFER TO PROJECT DOCUMENTATION FOR SUBSURFACE SOIL CONDITIONS



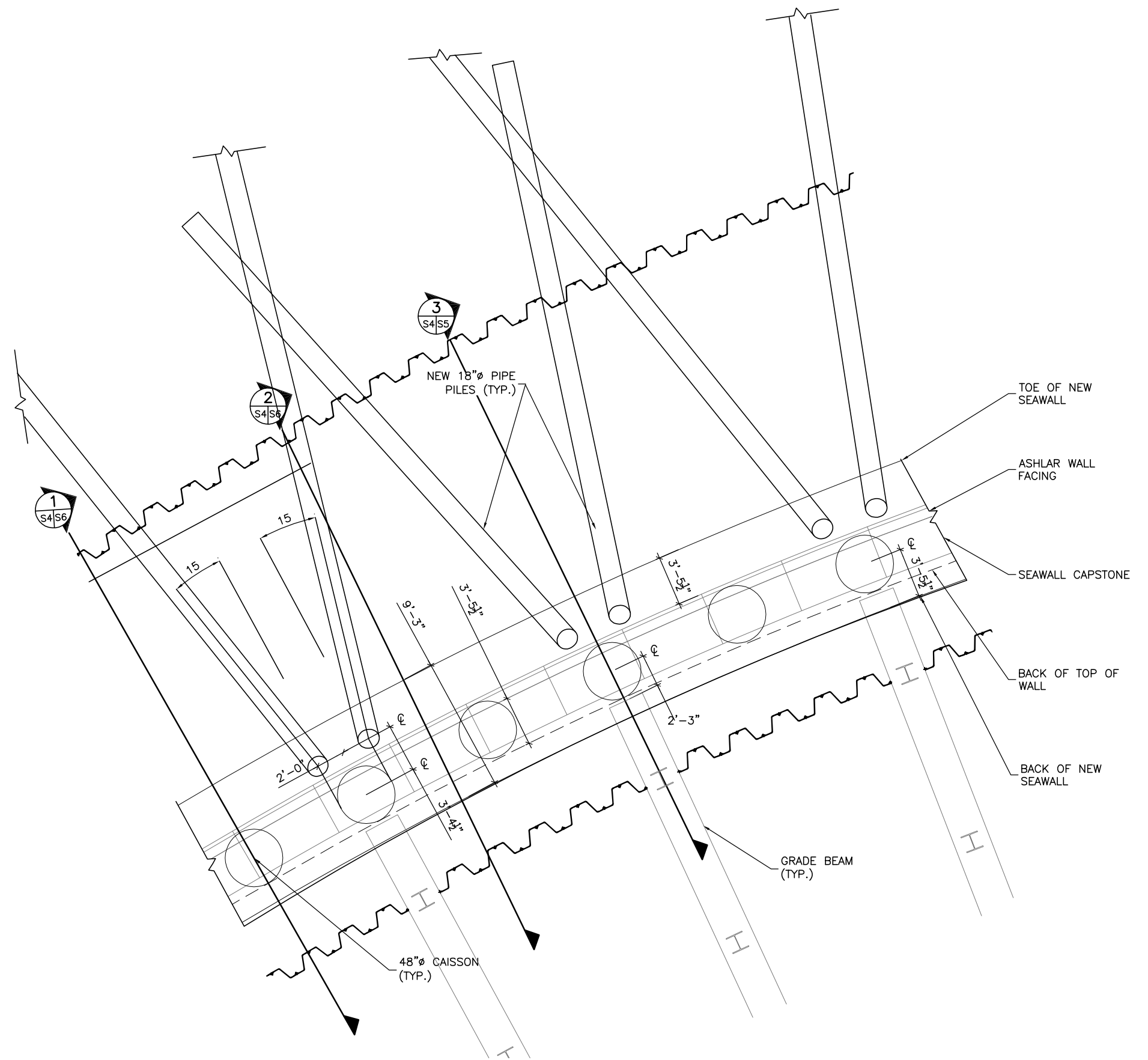
1 NORTH PLAZA - SECTION VIEW  
 S2/S3

DESIGNED: DW, JG, HR	SUB SHEET NO.  <b>S3</b>	TITLE OF SHEET <b>SEAWALL REMEDIATION SECTION VIEW</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>21 of 52</b>
DATE: 4-2-09			

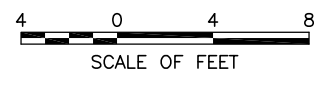
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



4/1/09 18:04 NFAHEY R17 C:\2006\08S\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S4\_SEAWALL.DWG XREFS: C:\2006\08S\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\BASES\XS-RUBBLE.DWG;



NOTES:  
 1. REFER TO SHEET G1 GENERAL NOTES.  
 2. SPLAY OF PIPE PILES IS TYPICAL ANGLE TO LINE PERPENDICULAR FROM CURVE OF SEAWALL.

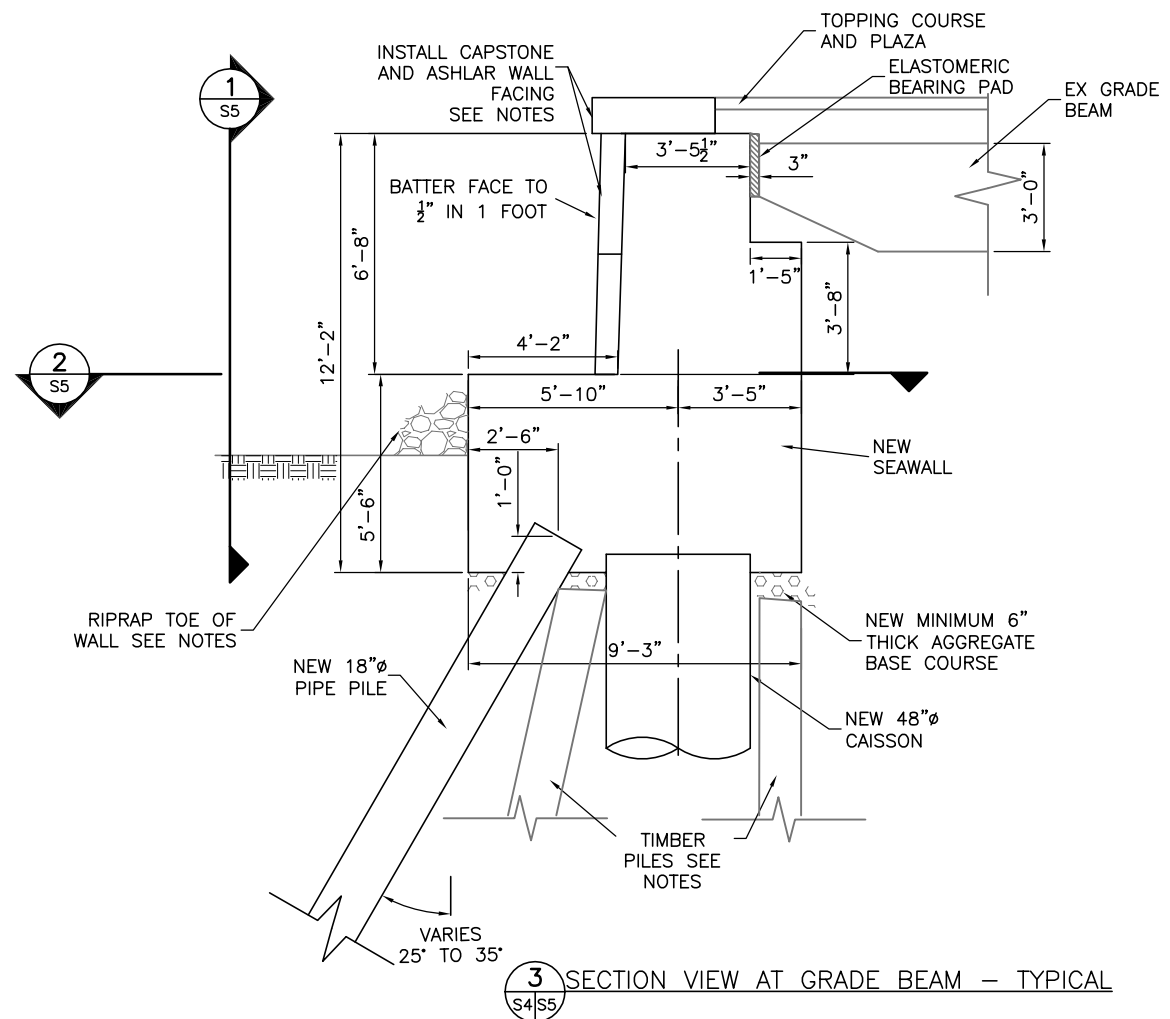


4 PLAN VIEW OF SEAWALL - TYPICAL  
S4

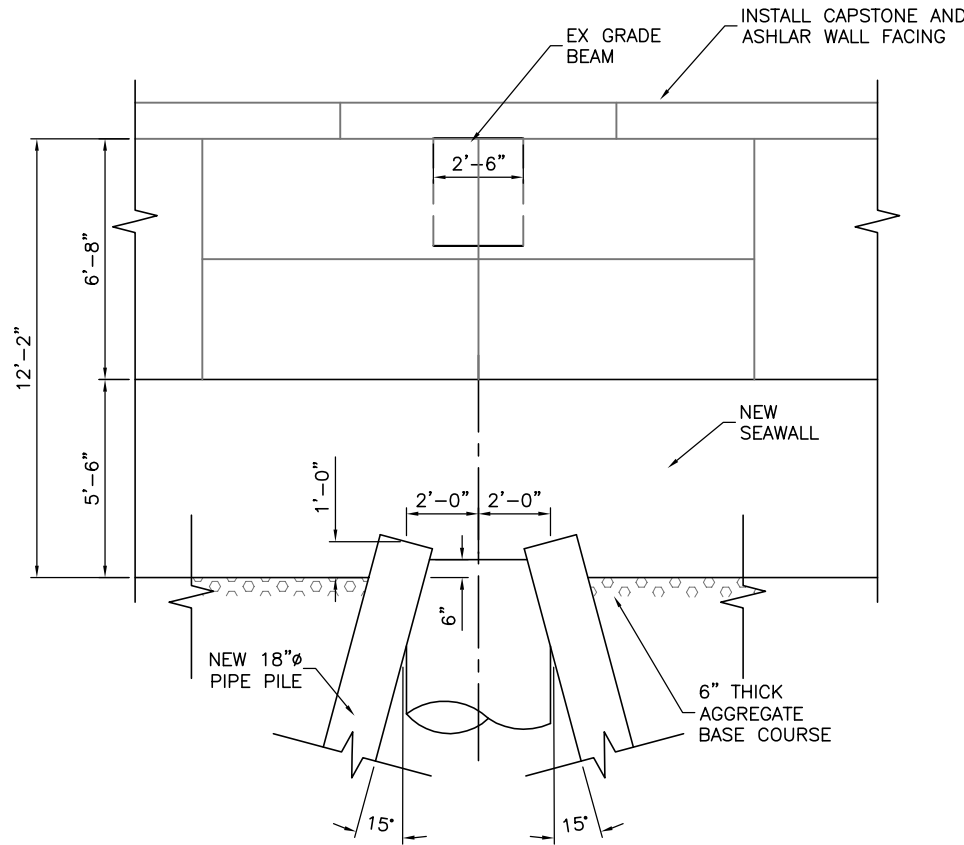
DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S4</b>	TITLE OF SHEET <b>SEAWALL PLAN VIEW</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>22 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

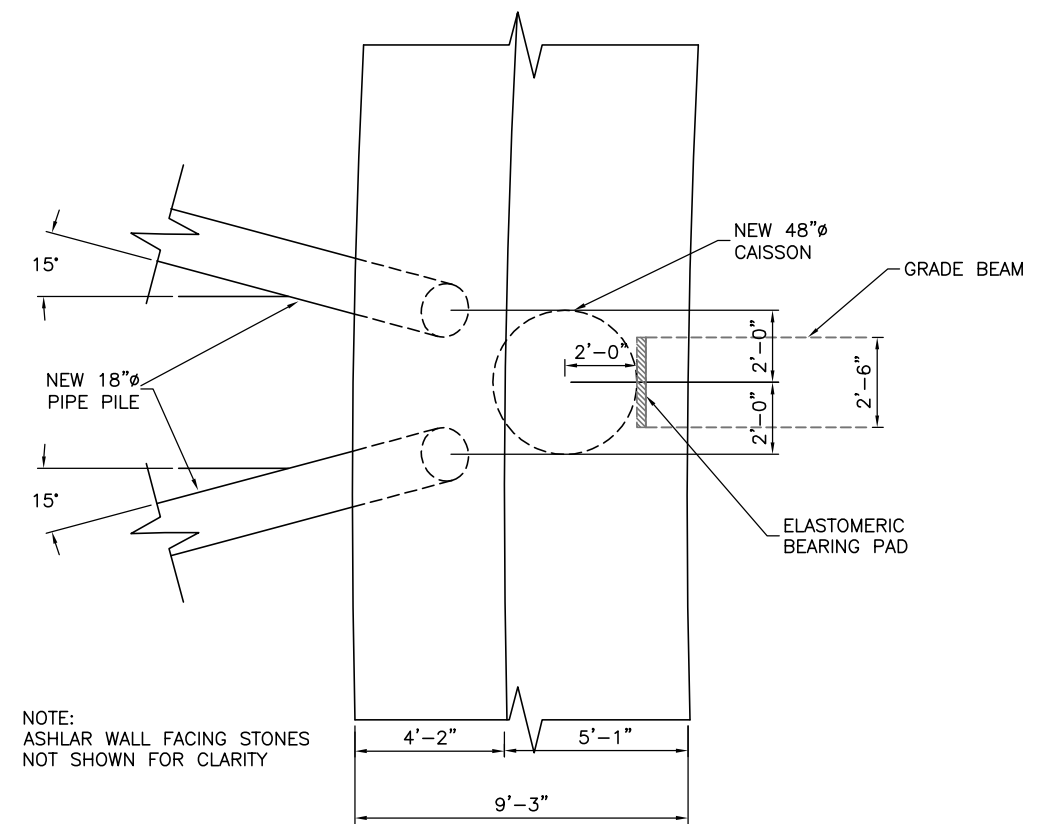
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**3** SECTION VIEW AT GRADE BEAM – TYPICAL  
S4|S5



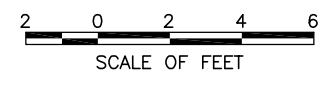
**1** ELEVATION VIEW AT GRADE BEAM – TYPICAL  
S5



**2** PLAN VIEW AT GRADE BEAM – TYPICAL  
S5

NOTE:  
ASHLAR WALL FACING STONES  
NOT SHOWN FOR CLARITY

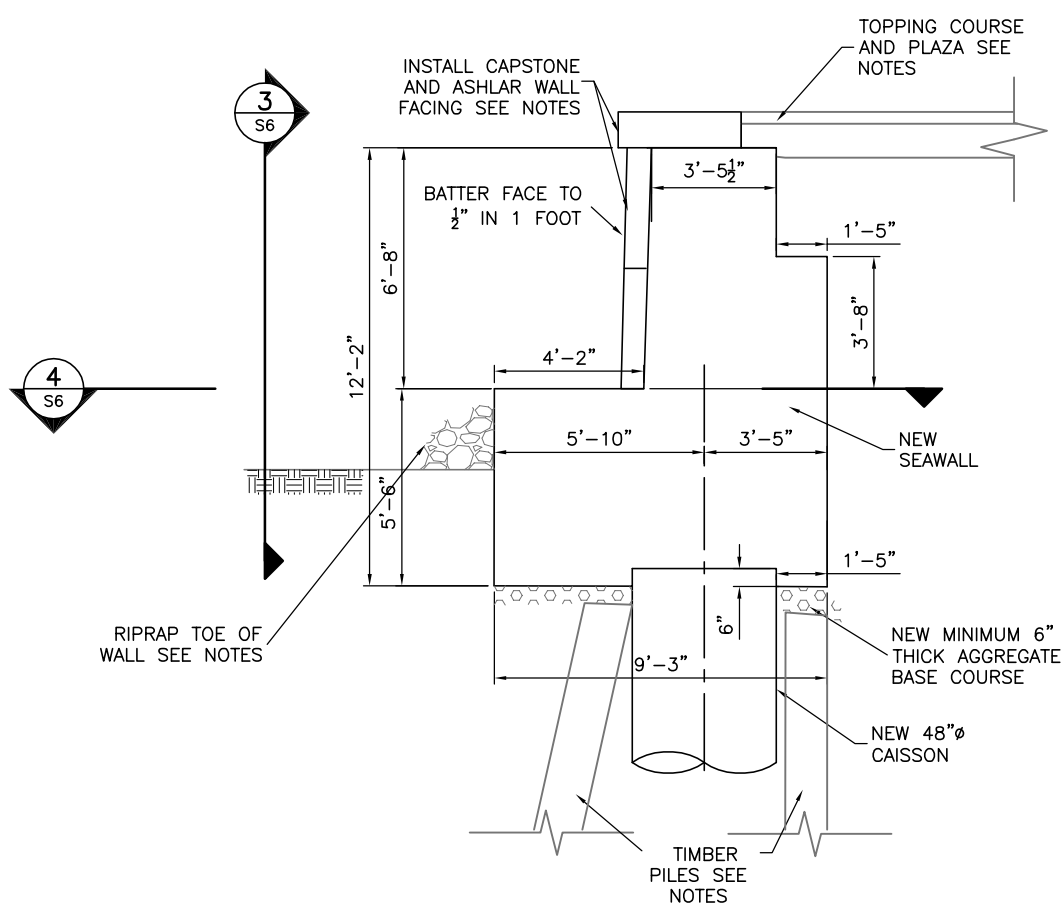
- NOTES:
- EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
  - SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
  - GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
  - CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL CONFORM/MATCH EXISTING.
  - CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR.
  - REFER TO SHEET G1 GENERAL NOTES.



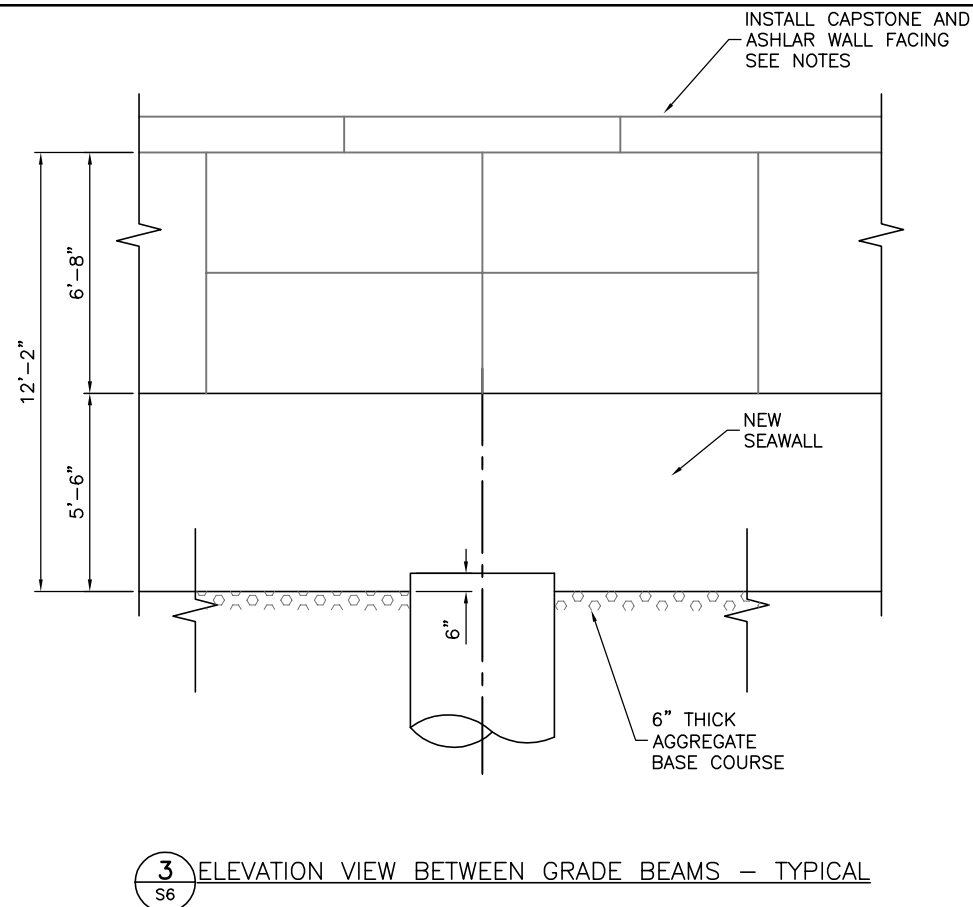
DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S5</b>	TITLE OF SHEET <b>SEAWALL DETAILS AT GRADE BEAM</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>23 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

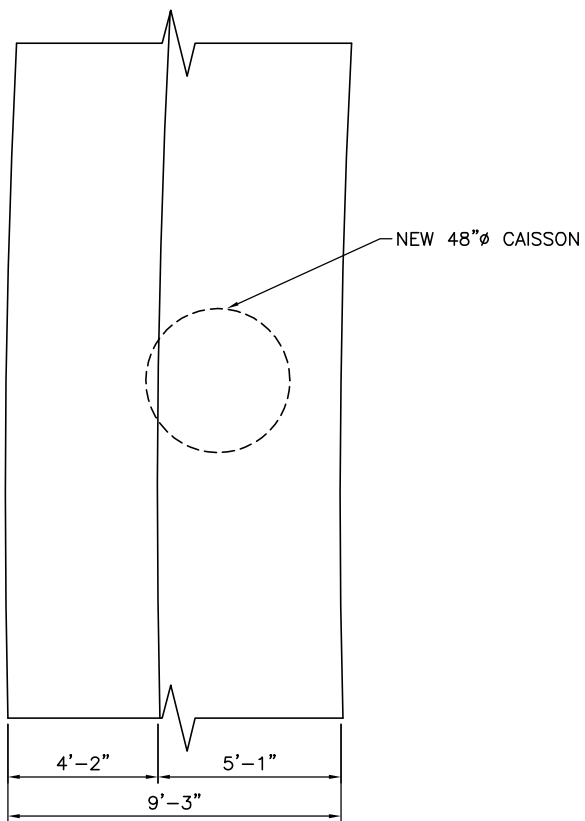
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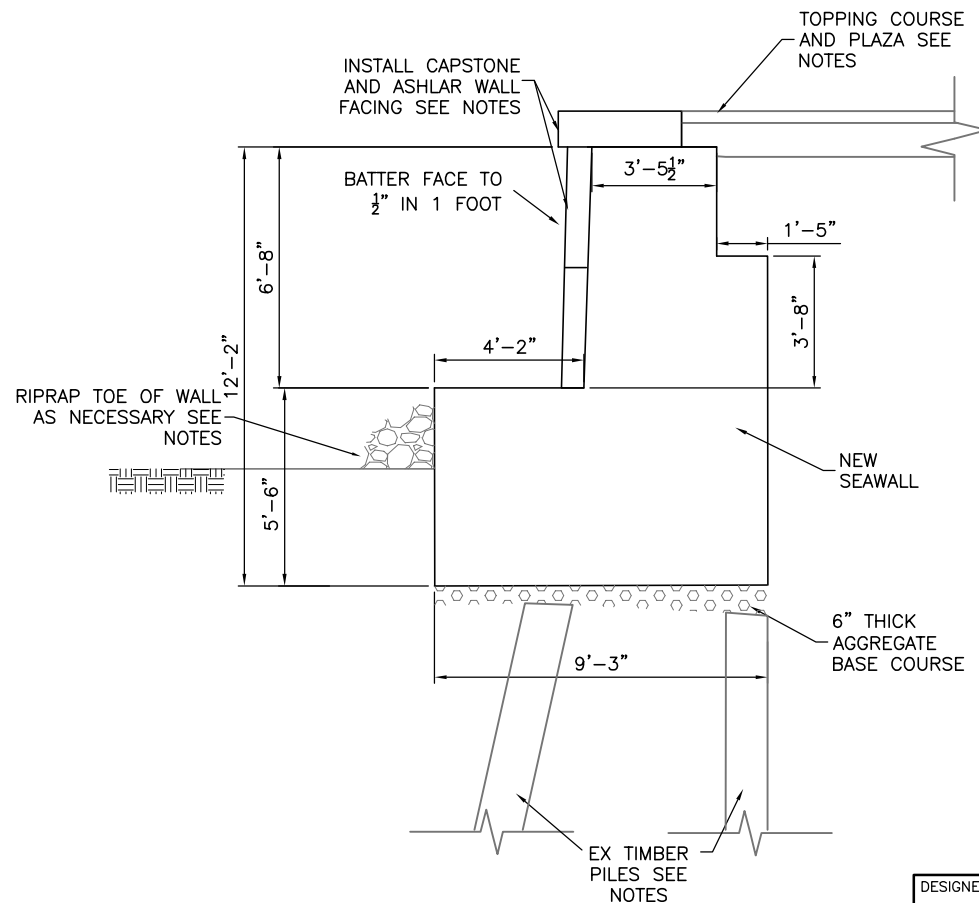
**1** SECTION VIEW BETWEEN GRADE BEAMS - TYPICAL



**3** ELEVATION VIEW BETWEEN GRADE BEAMS - TYPICAL



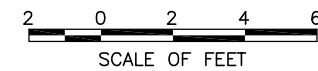
**4** PLAN VIEW BETWEEN GRADE BEAMS - TYPICAL



**2** SECTION VIEW AT MID WALL - TYPICAL

**NOTES:**

1. EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
2. SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
3. GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
4. CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL CONFORM/MATCH EXISTING.
5. CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR.
6. REFER TO SHEET G1 GENERAL NOTES.



NOTE:  
ASHLAR WALL FACING STONES  
NOT SHOWN FOR CLARITY

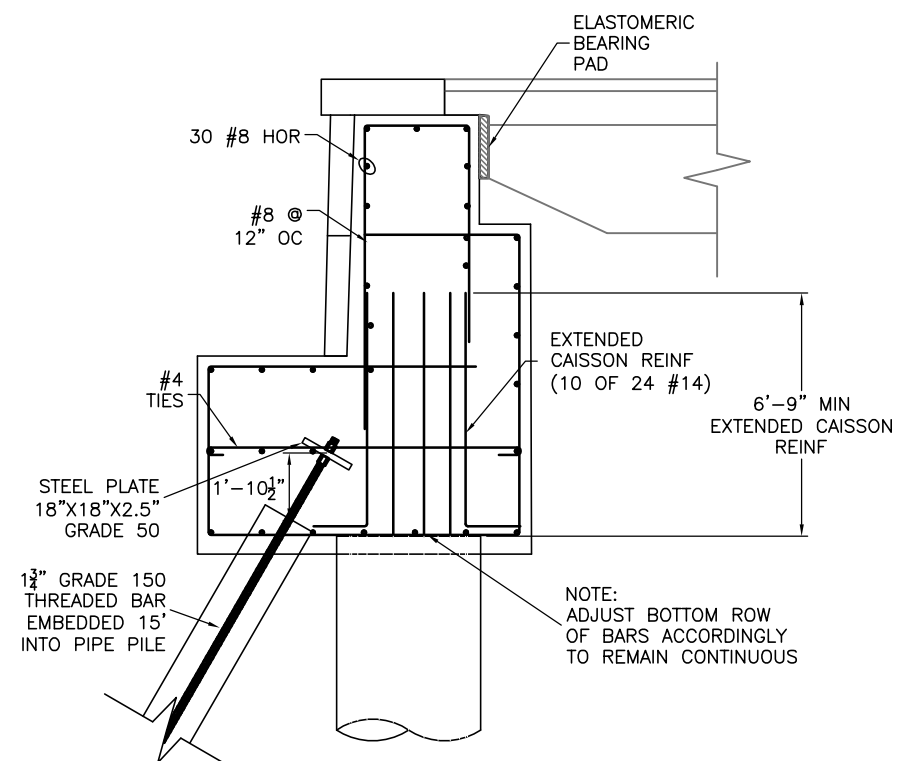
DESIGNED:  
DW, MD, GA, RD  
NSF, MD  
TECH. REVIEW:  
DW, JG  
DATE:  
4-2-09

SUB SHEET NO.  
**S6**

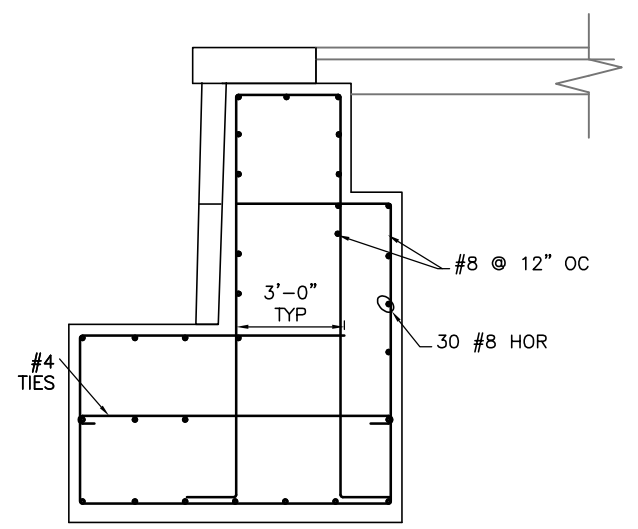
TITLE OF SHEET  
**SEAWALL DETAILS  
BETWEEN GRADE BEAMS**  
THOMAS JEFFERSON MEMORIAL  
NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.  
**802  
25002A**  
PMS/PKG NO.  
128232  
SHEET  
**24 OF 52**

4/2/09 11:40 NFAHEY\_R17 & 200608S\06150078.J -JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S7 CAISSON.DWG

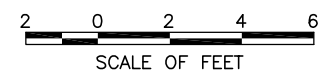


3 SECTION VIEW AT GRADE BEAM - TYPICAL



2 SECTION VIEW AT MID WALL - TYPICAL

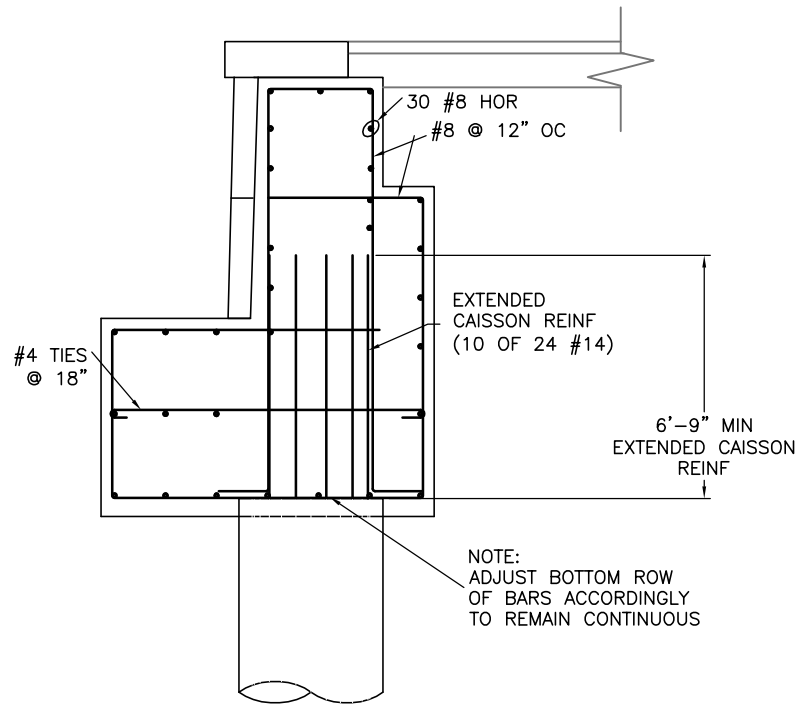
- NOTES:
- EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
  - SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
  - BAR LENGTHS FOR REFERENCE ONLY. ACTUAL BEND RADII AND MINIMUM LENGTH AND SPLICE REQUIREMENTS TO BE DEFINED BY DETAILER.
  - CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL MATCH/CONFORM EXISTING.
  - REFER TO SHEET G1 GENERAL NOTES.



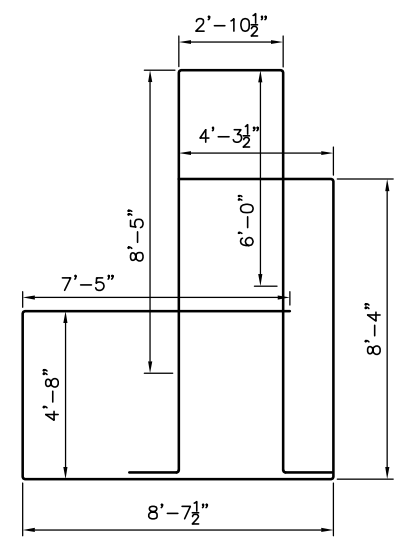
DESIGNED: DW, MD, GA, RD	S7	TITLE OF SHEET <b>SEAWALL REINFORCING DETAILS AT CAISSON AND PIPE PILES</b>	DRAWING NO. <b>802</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A
DATE: 4-2-09			PMIS/PKG NO. 128232
			SHEET
			25 of 52

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:40:11 AM NEAHEY, R17 & 2006/08/06 06:50:07 B.J. JEFFERSON CONSTRUCTION DOCUMENTS (2008) CADD THE 128232 STRUC S8 CAISSON.DWG

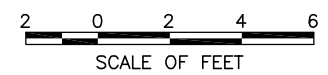


2 SECTION VIEW BETWEEN GRADE BEAMS - TYPICAL  
S4



4 SEAWALL REINFORCEMENT - TYPICAL  
S8

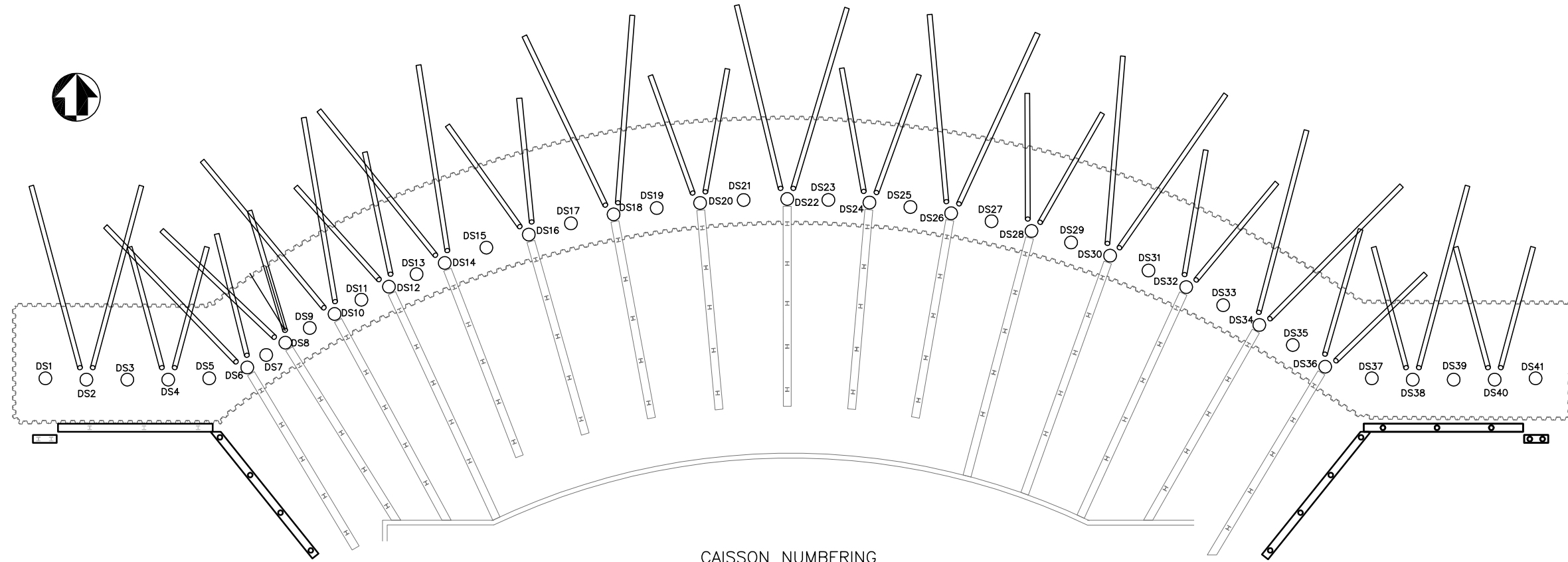
- NOTES:
1. SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
  2. BAR LENGTHS FOR REFERENCE ONLY. ACTUAL BEND RADII AND MINIMUM LENGTH AND SPLICE REQUIREMENTS TO BE DEFINED BY DETAILER.
  3. REFER TO SHEET G1 GENERAL NOTES.



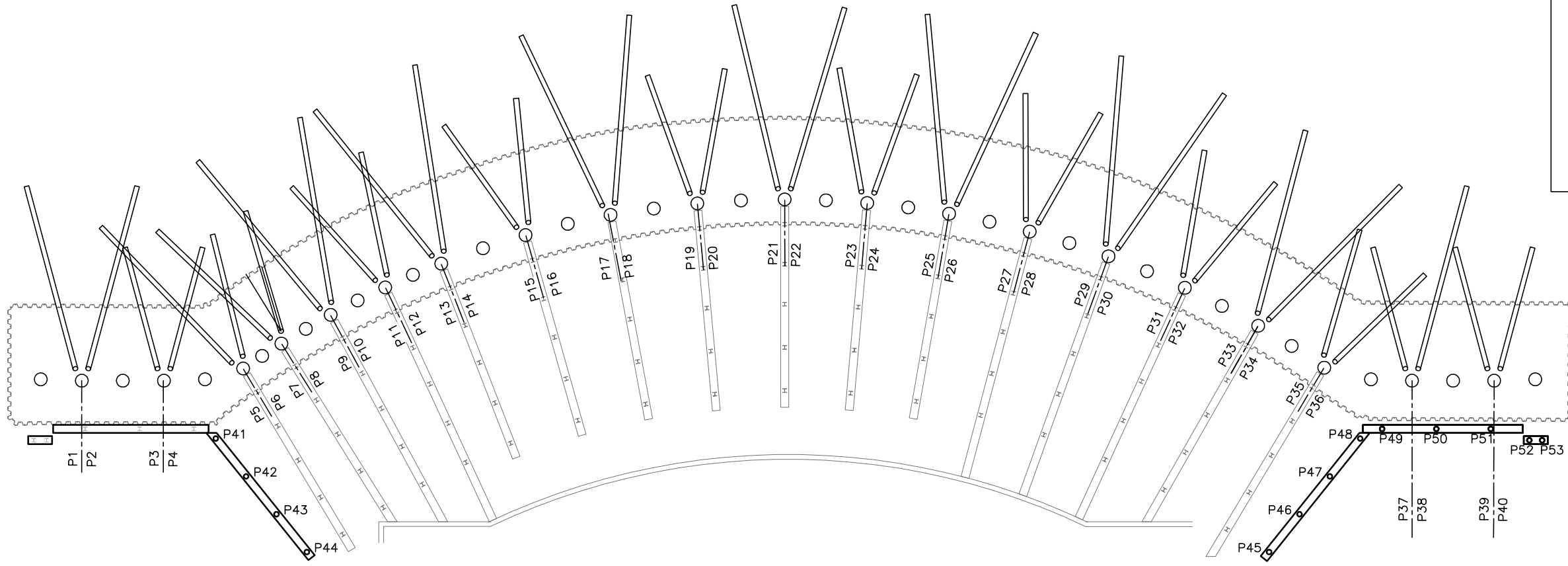
DESIGNED: DW, MD, GA, RD	S8	TITLE OF SHEET <b>SEAWALL REINFORCING DETAILS AT CAISSON (NO PIPE PILES)</b>	DRAWING NO. <b>802</b>	
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232	
DATE: 4-2-09			SHEET <b>26</b> of <b>52</b>	

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:42 NFAHEY R17 C:\2006\065\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUCT\9 PP-DS NUMBER.DWG XREFS: C:\2006\065\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\BASES\XC-BEAMS.DWG;



CAISSON NUMBERING



STEEL PILE NUMBERING

- NOTES**
1. CONTRACTOR SHALL PERFORM CROSSHOLE SONIC LOGGING AT EACH CLIN IN ACCORDANCE WITH SPECIFICATION 31 64 00.
  2. SACRIFICIAL 18" Ø PIPE PILE SHALL BE INSTALLED IN AREA OFF WEST LATERAL WALL PRIOR TO DRIVING PRODUCTION PILES IN ACCORDANCE WITH SPECIFICATION 31 62 00.

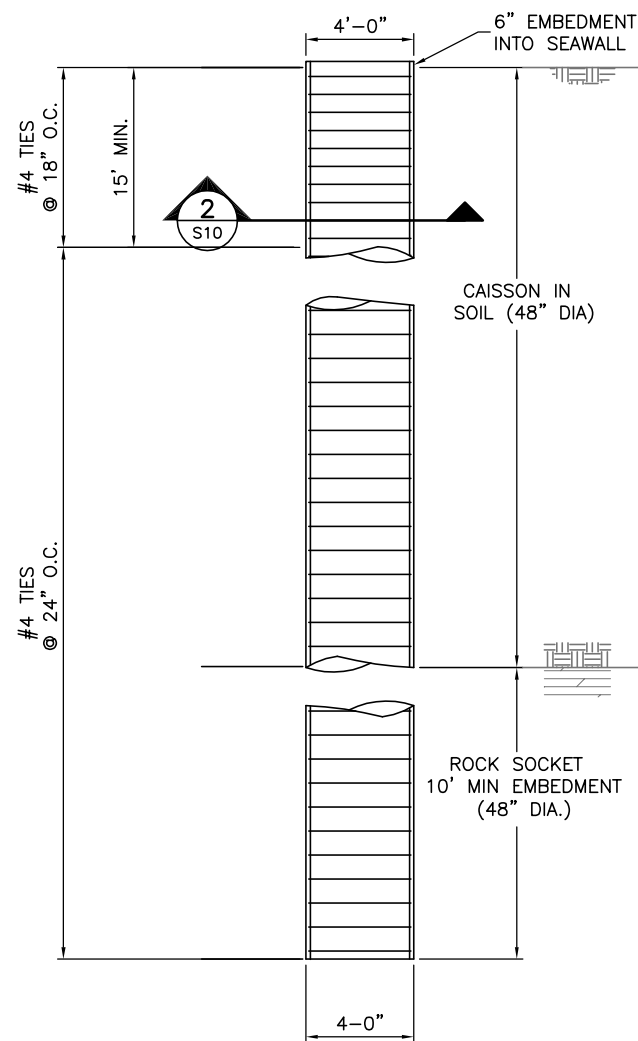


DESIGNED: DW, JG, HR	S9	TITLE OF SHEET <b>CAISSON AND STEEL PILE NUMBERING SYSTEM</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>27 of 52</b>
DATE: 4-2-09			

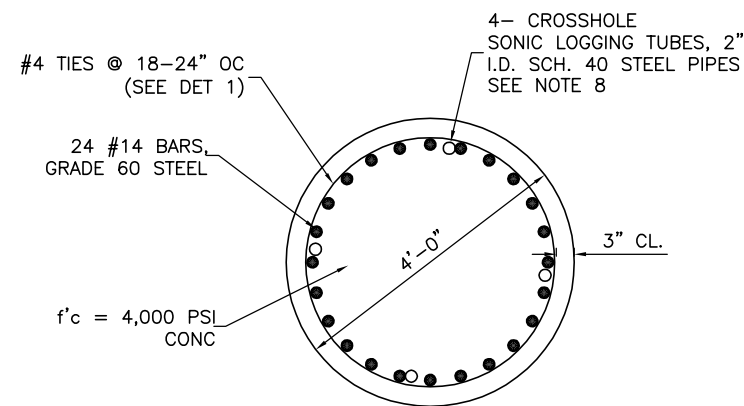
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



4/2/09 11:43 AM R17 G:\2006\065\06150078.L\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CAD\THEY\128232\STRUC\S10\_SHAFT.DWG

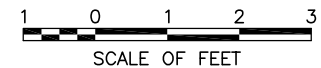


1 TYPICAL ELEVATION OF CAISSON  
N.T.S.



2 CAISSON SECTION VIEW - (TYP)

- CAISSON NOTES:**
1. THE METHOD OF ADVANCING THE HOLE SHALL BE APPROVED BY THE CONTRACTING OFFICER PRIOR TO CAISSON CONSTRUCTION.
  2. CONTRACTOR SHALL NOT YIELD OR PERMANENTLY DEFORM REBAR CAGES DURING LIFTING, HANDLING OR PLACEMENT.
  3. SPLICES SHALL BE MADE USING APPROVED MECHANICAL CONNECTORS IN ACCORDANCE WITH AASHTO DIV. 1, SEC. 8.32 NO LAP SPLICES OR WELDED SPLICES WILL BE PERMITTED. STAGGER REINFORCEMENT SPLICES A MINIMUM OF 3'.
  4. SPLICES ON VERTICAL REINFORCEMENT SHALL NOT BE PLACED WITHIN 10 FT OF THE ROCK SOCKET OR IN THE TOP 30 FT OF THE SHAFT.
  5. APPROVED SPACERS SHALL BE USED TO ALIGN REINFORCEMENT WITHIN THE CAISSONS.
  6. CONCRETE USED IN CAISSONS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
  7. VERTICAL BARS TO BE CONTINUOUS WITHIN CAISSON TO SEAWALL CONNECTION.
  8. CROSSHOLE SONIC LOGGING TUBES SHALL BE INSTALLED DURING THE CONSTRUCTION OF TWO CAISSONS IN THE FIRST CLIN AND ONE CAISSON AT EACH ADDITIONAL CLIN LOCATION. SEE SPECIFICATION 31 64 00.
  9. CAISSON CONCRETE MUST BE COMPLETED A MINIMUM OF 14 DAYS PRIOR TO CONSTRUCTION OF SEAWALL.
  10. REFER TO SHEET G1 GENERAL NOTES.

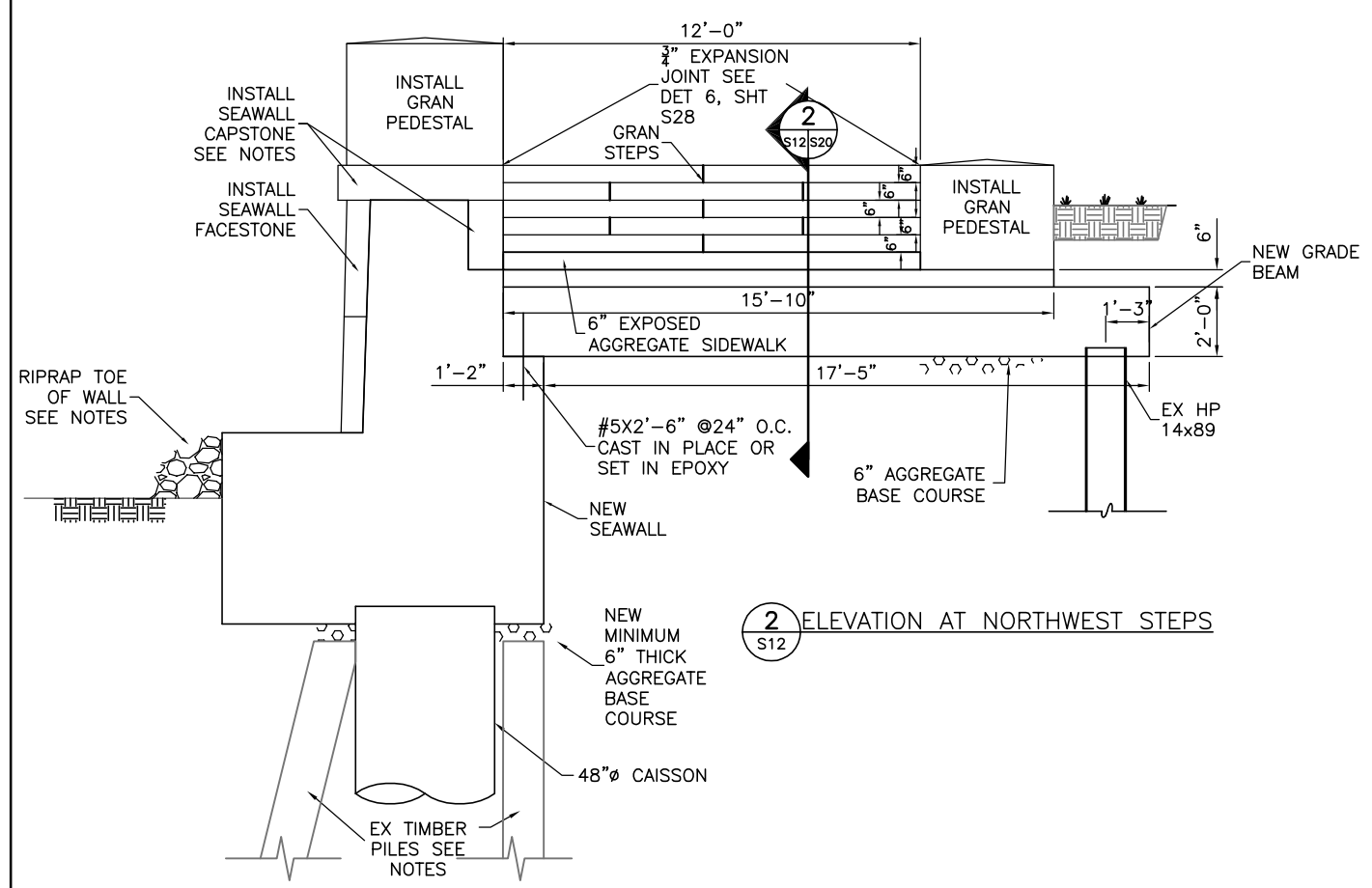


DESIGNED: DW, MD	SUB SHEET NO.  <b>S10</b>	TITLE OF SHEET  <b>CAISSON DETAILS</b>	DRAWING NO. <b>802</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET 28 of 52

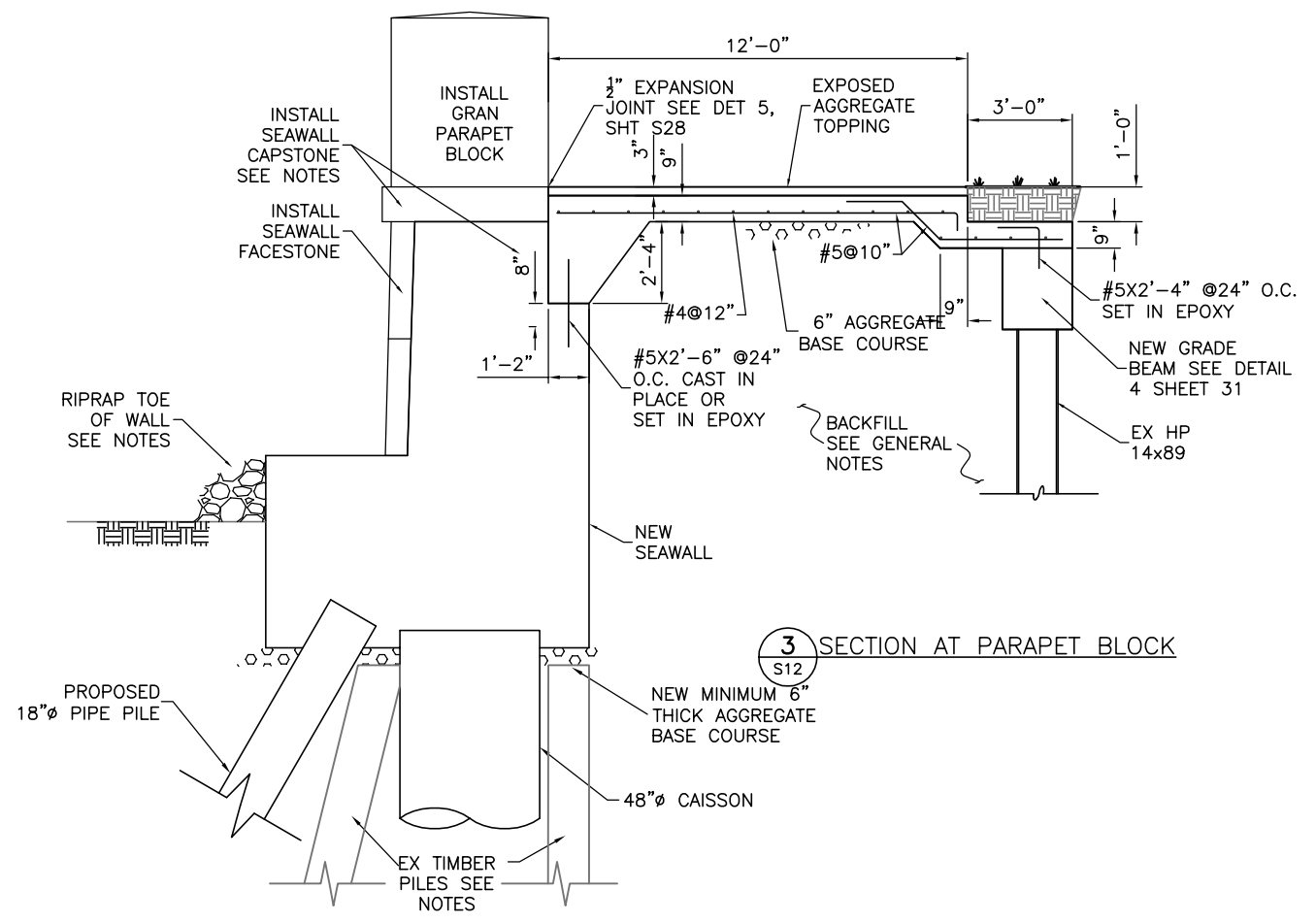
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



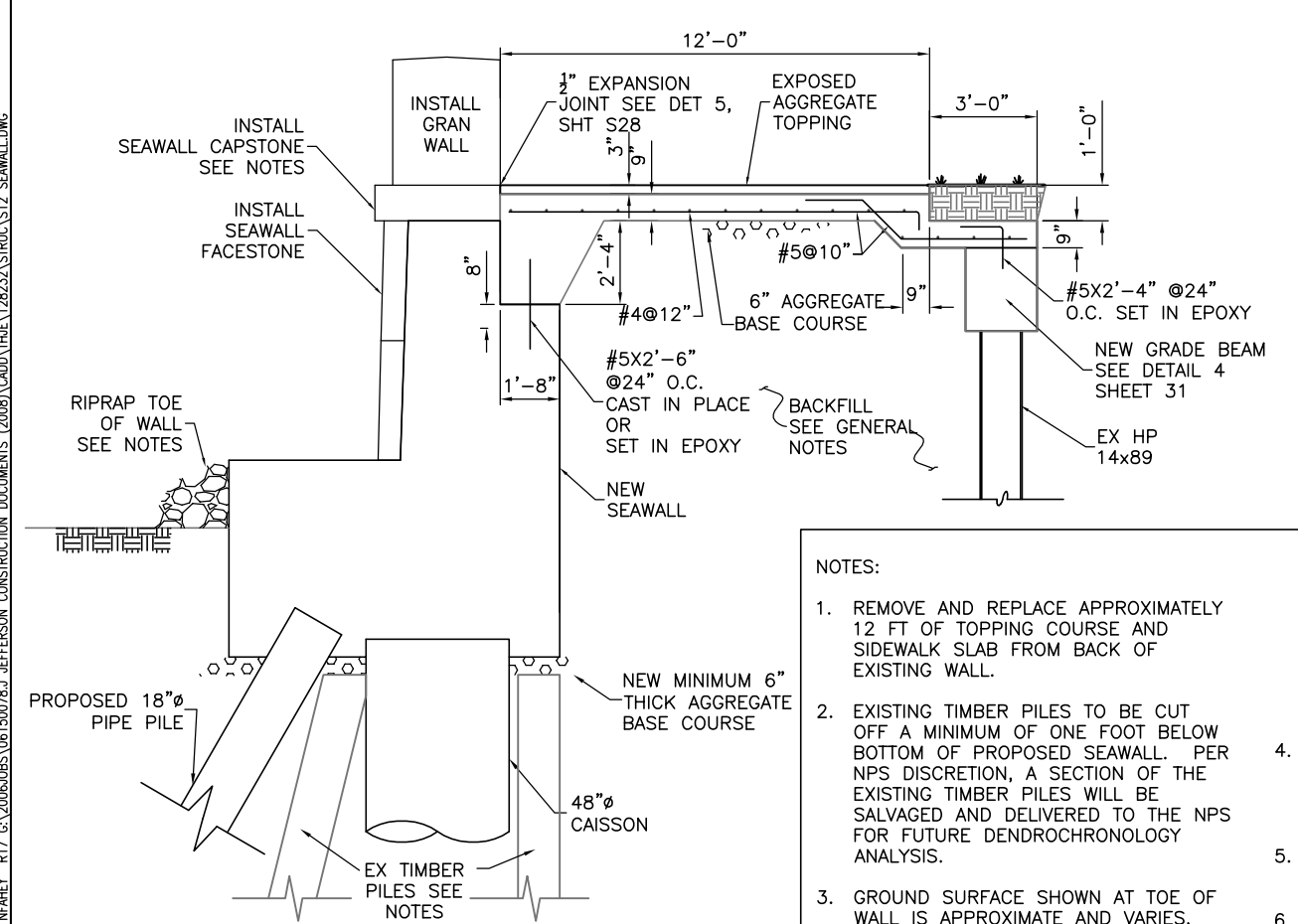
4/2/09 11:44 AM NEAHEY, R17 6:20060605\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S12\_SEAWALL.DWG



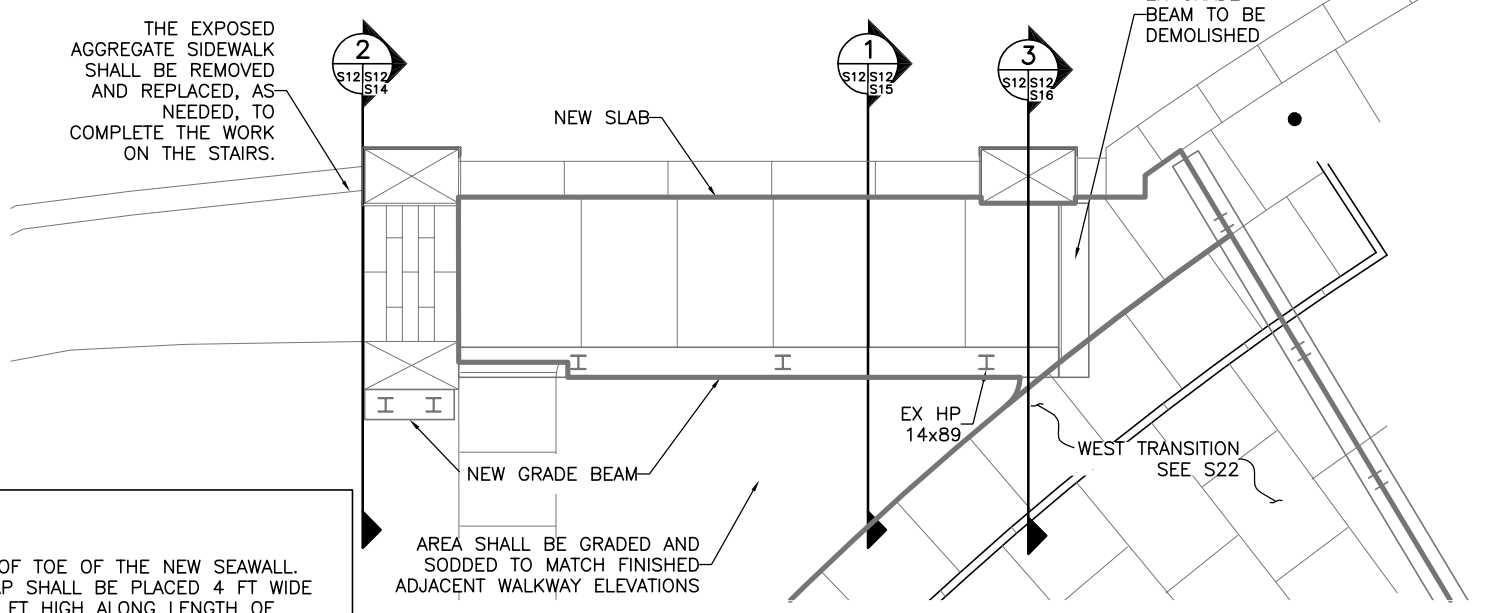
**2** ELEVATION AT NORTHWEST STEPS  
S12



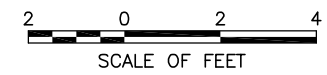
**3** SECTION AT PARAPET BLOCK  
S12



**1** SECTION AT SIDEWALK ADJACENT TO SEAWALL  
S12



PLAN @ NORTHWEST STEPS

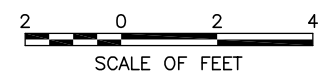
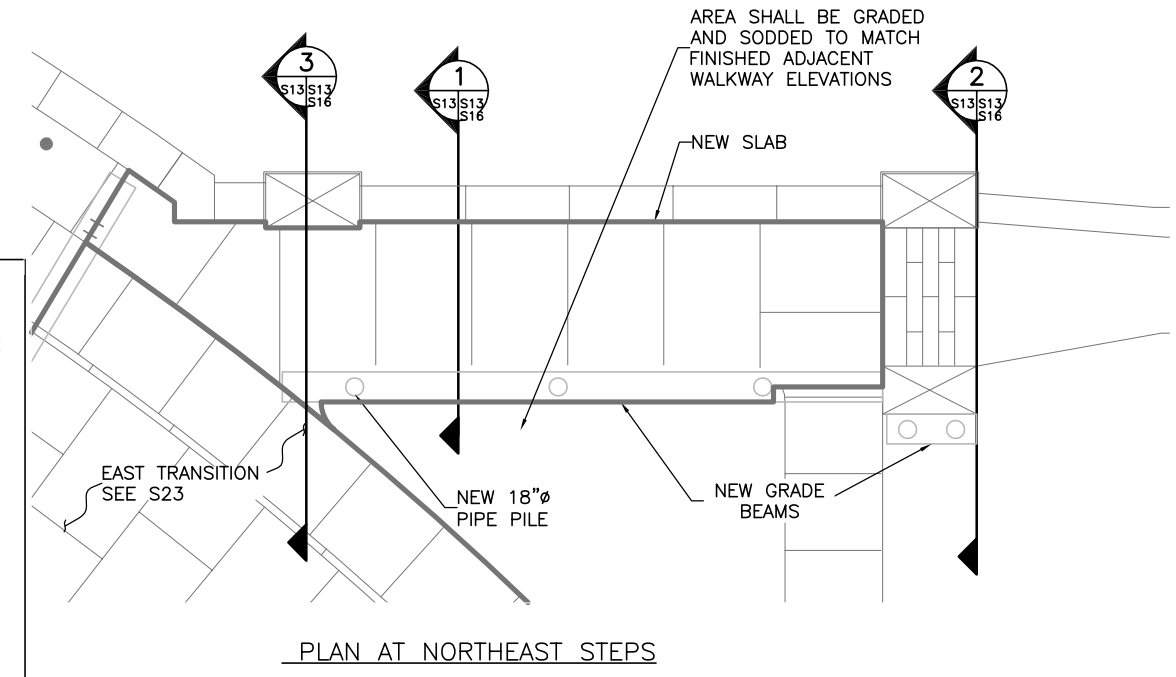
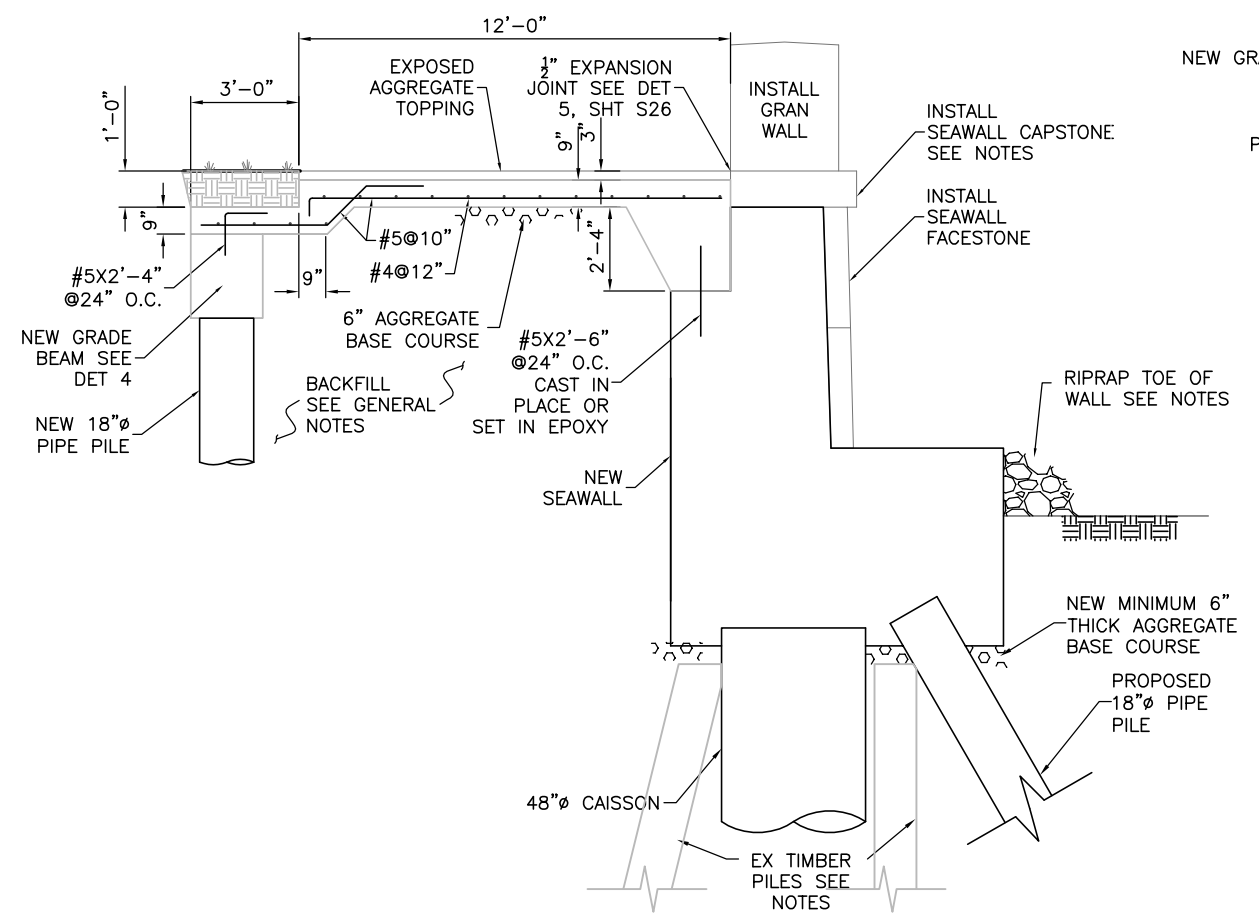
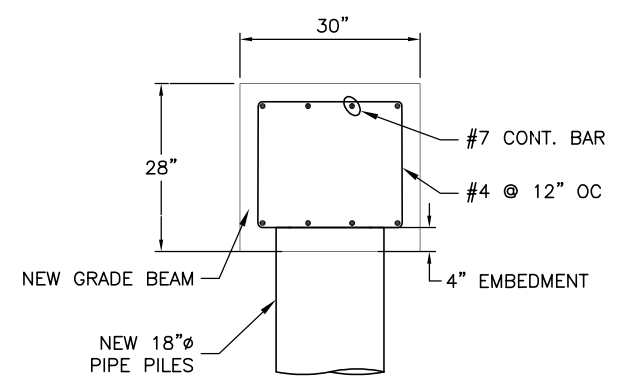
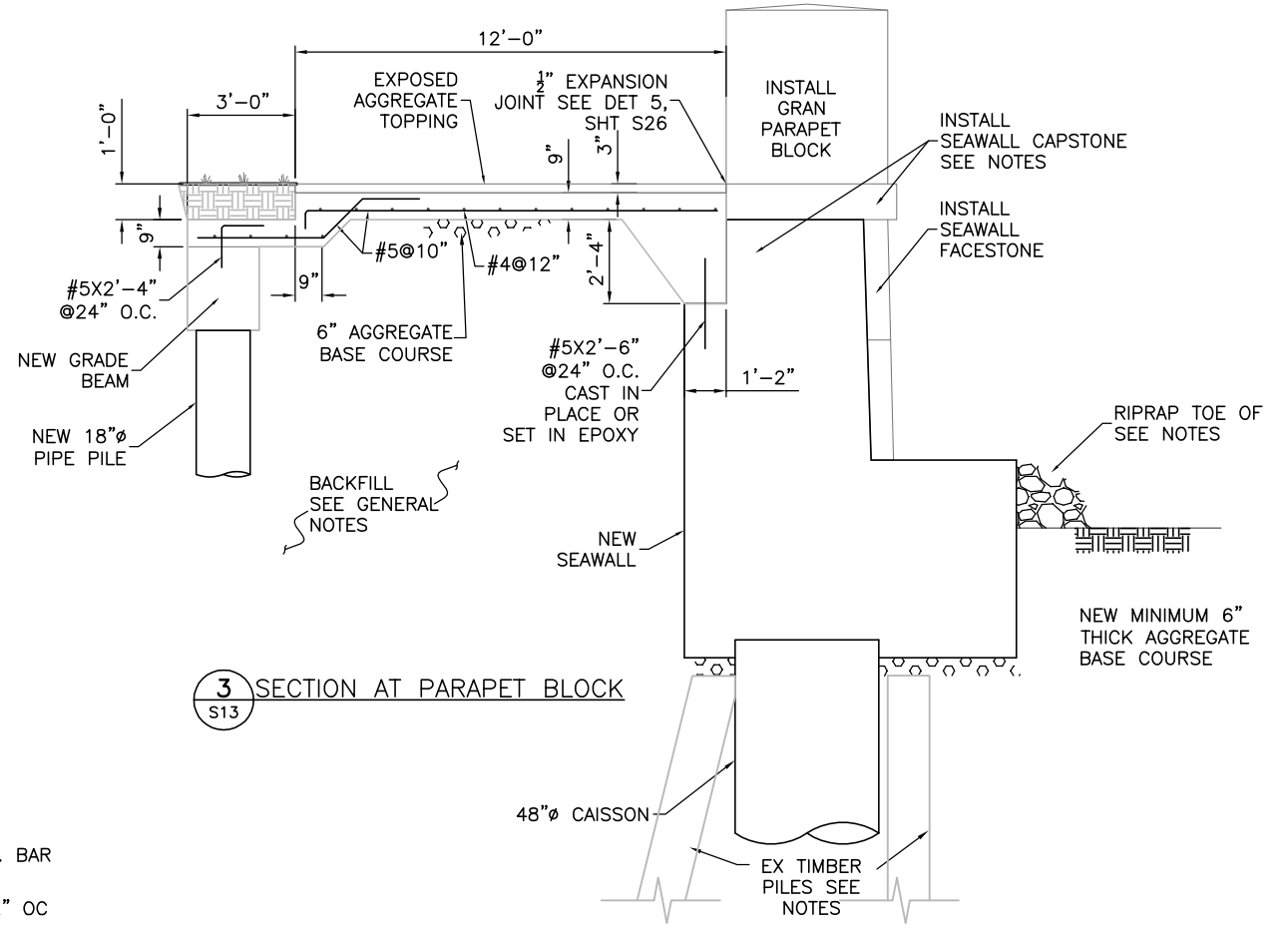
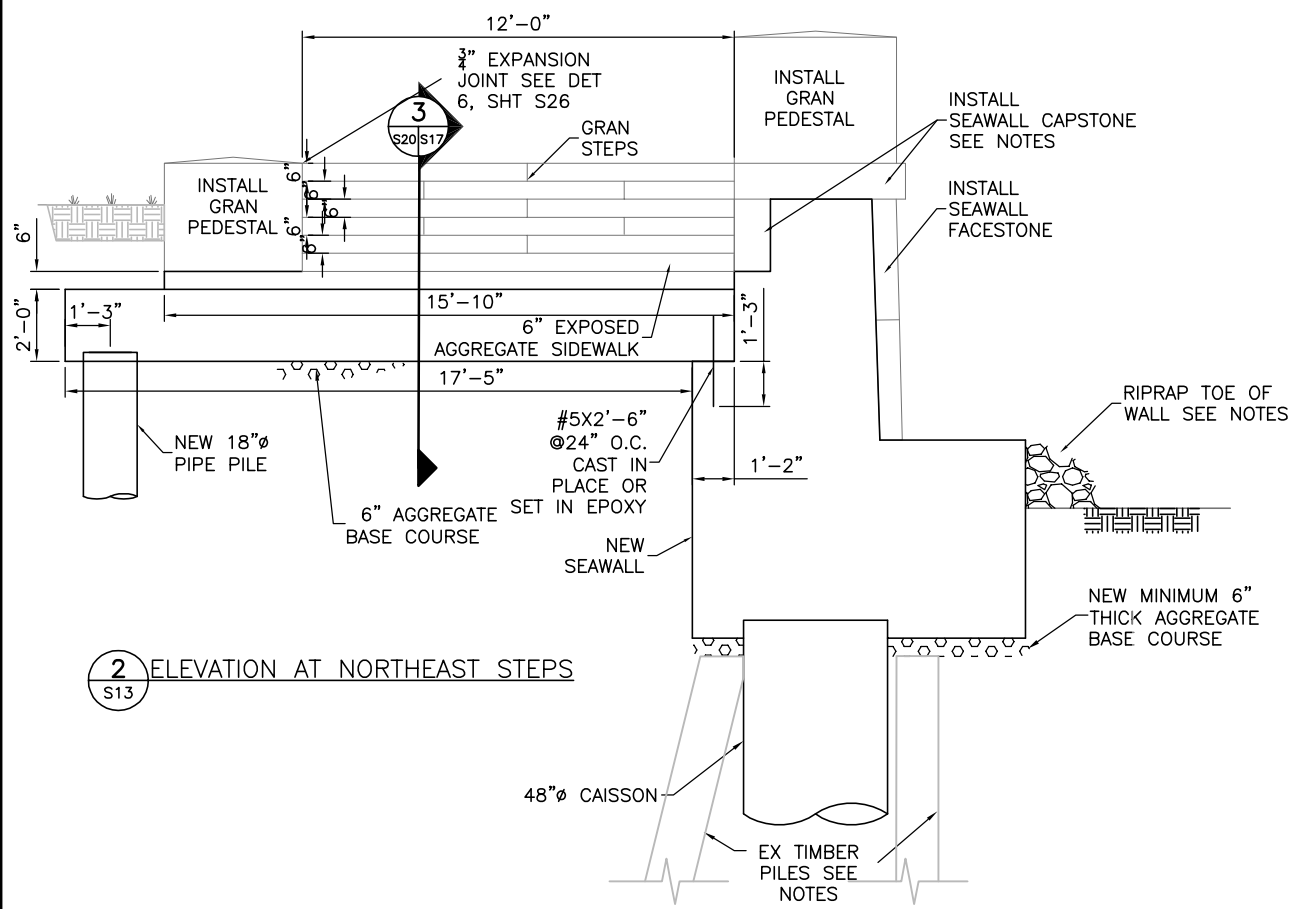


- NOTES:
- REMOVE AND REPLACE APPROXIMATELY 12 FT OF TOPPING COURSE AND SIDEWALK SLAB FROM BACK OF EXISTING WALL.
  - EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
  - GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
  - CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL CONFORM/MATCH EXISTING.
  - CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR
  - REFER TO SHEET G1 GENERAL NOTES.

DESIGNED: DW, MD CADD DW, MD TECH. REVIEW: JG, DW DATE: 4-2-09	SUB SHEET NO. <b>S12</b>	TITLE OF SHEET <b>NORTHWEST WALL AND STAIRS</b> THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. <b>802 25002A</b> PMIS/PKG NO. 128232 SHEET <b>30 of 52</b>
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100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:46 NFAHEY RT7 200608506150078.JEFFERSON CONSTRUCTION DOCUMENTS (2008)CADD\THE\128232\STRUC\S13\_SEAWALL.DWG

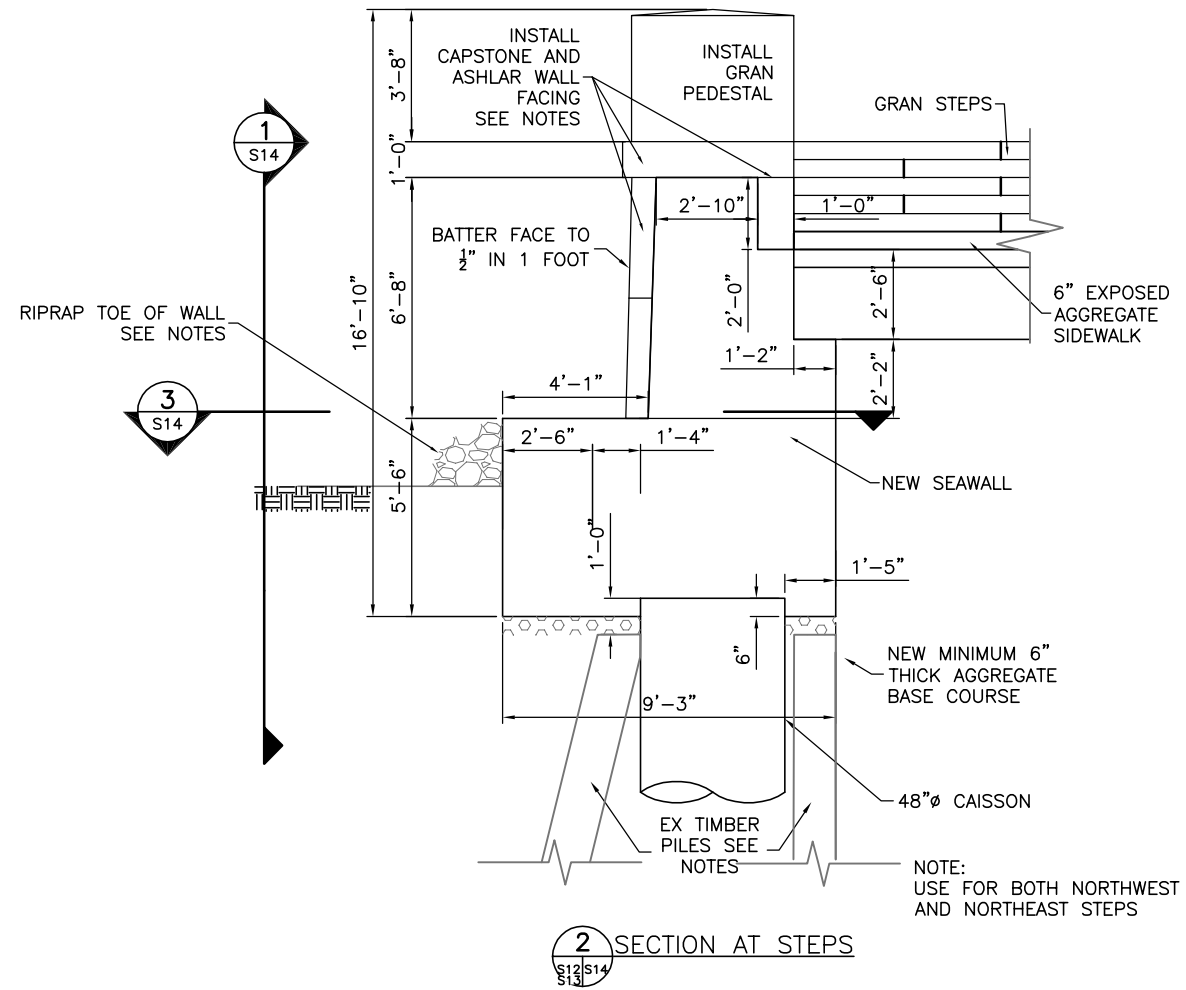


- NOTES:
1. REMOVE AND REPLACE APPROXIMATELY 12 FT OF TOPPING COURSE AND SIDEWALK SLAB FROM BACK OF EXISTING WALL.
  2. EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
  3. GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
  4. CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL CONFORM/MATCH EXISTING.
  5. CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR.
  6. REFER TO SHEET G1 FOR GENERAL NOTES.

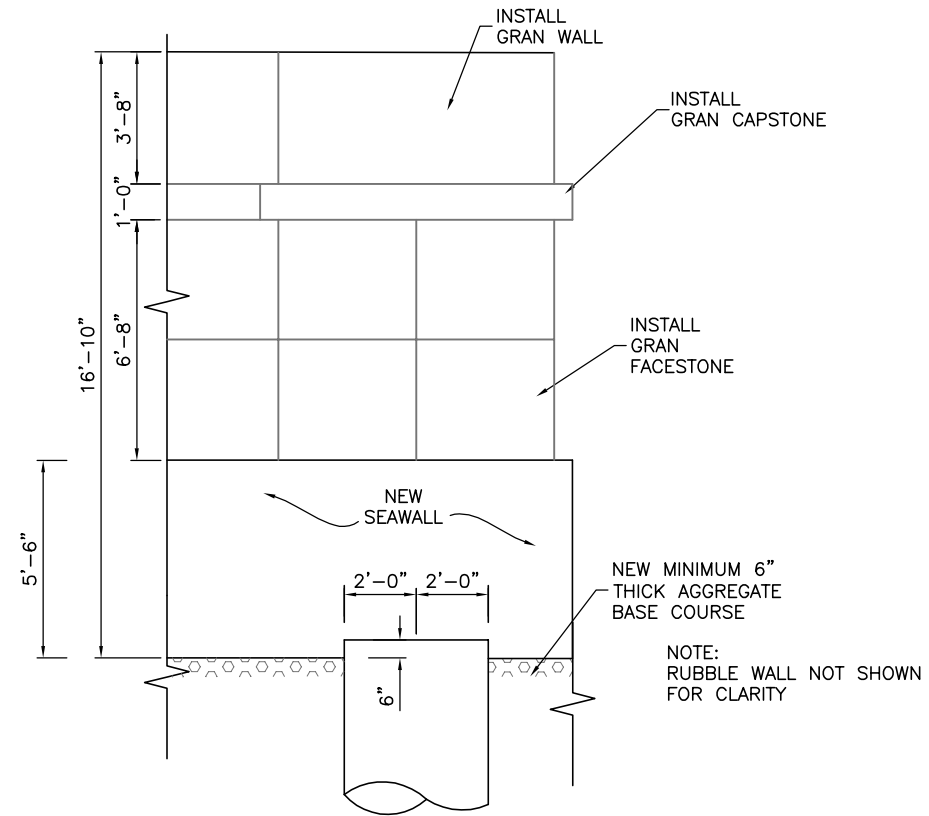
DESIGNED: DW, MD CADD DW, MD TECH. REVIEW: JG, DW DATE: 4-2-09	SUB SHEET NO.  <b>S13</b>	TITLE OF SHEET <b>NORTHEAST WALL AND STAIRS</b>  THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. <b>802 25002A</b> PMIS/PKG NO. 128232 SHEET <b>31</b> of <b>52</b>
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100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

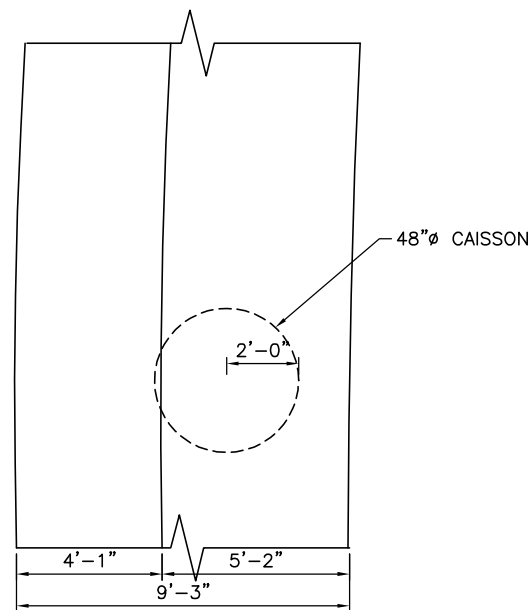
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**2** SECTION AT STEPS  
S14



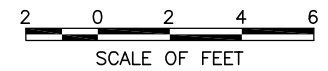
**1** ELEVATION VIEW AT STEPS - TYPICAL  
S14



**3** SECTION AT NORTHWEST STEPS - TYPICAL  
S14

NOTE:  
ASHLAR WALL FACING STONES  
NOT SHOWN FOR CLARITY

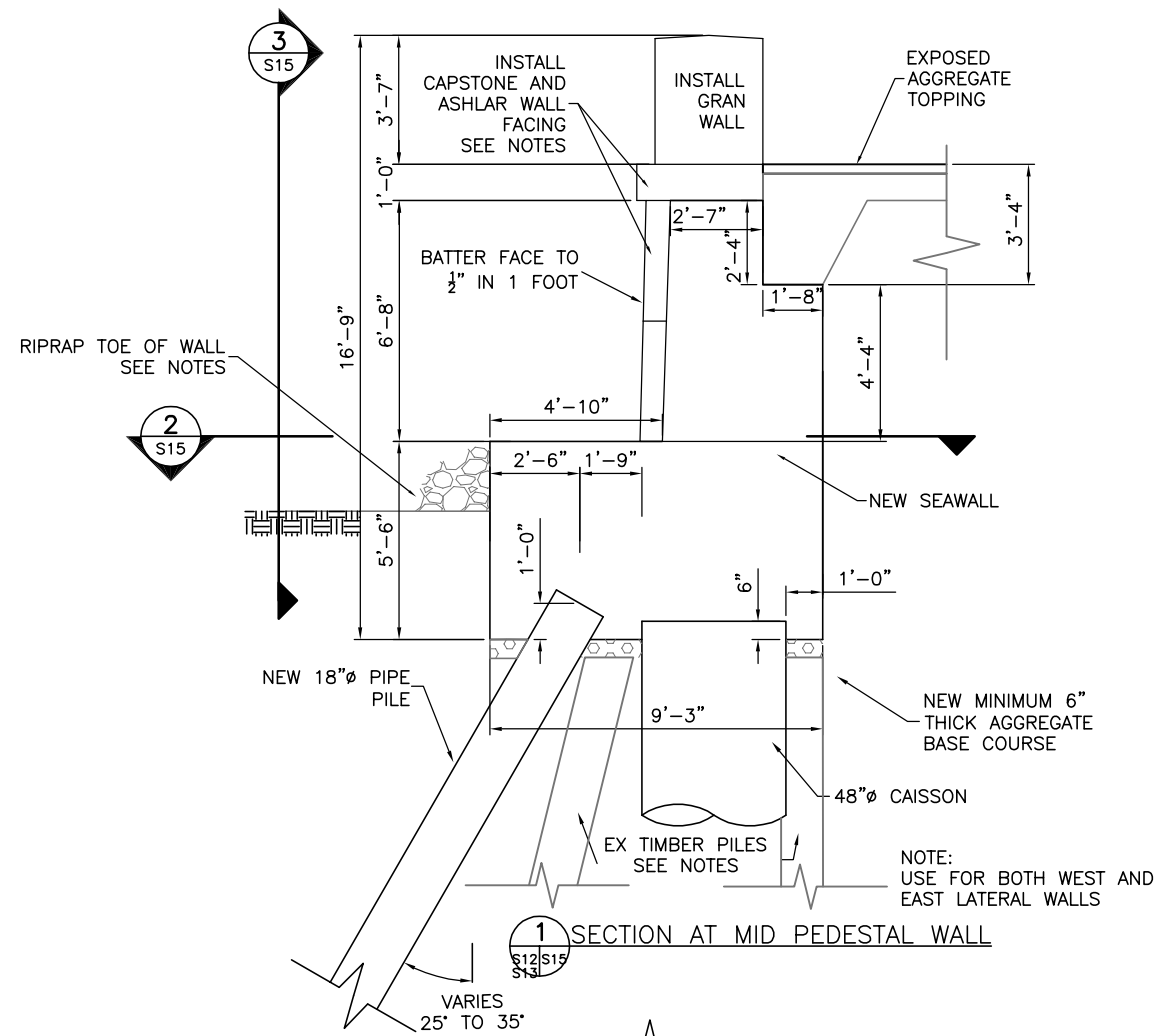
- NOTES:
- EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
  - GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
  - CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JPINT PATTERN SHALL CONFORM/MATCH EXISTING.
  - CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR.
  - REFER TO SHEET G1 GENERAL NOTES.



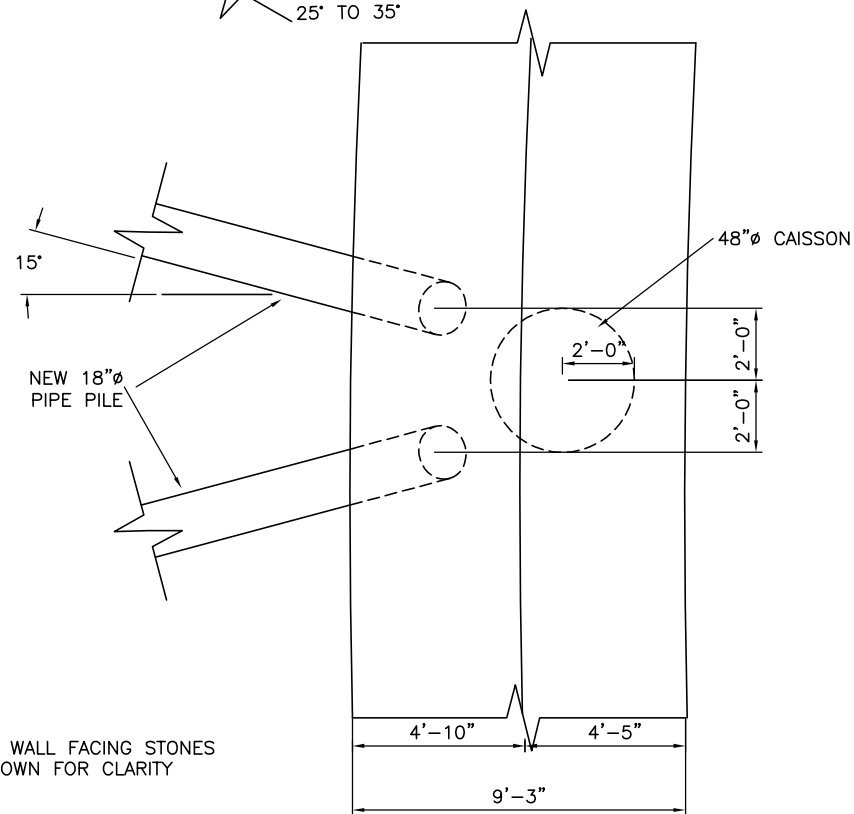
DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S14</b>	TITLE OF SHEET <b>SEAWALL DETAILS AT STEPS</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG	DATE: 4-2-09	THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
			SHEET <b>32 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:47 NEAHEY, R17 C:\2006\005\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S15\_SEAWALL.DWG XREFS: C:\2006\005\06150078\JEFFERSON MEMORIAL CONSTRUCTION DOCS (2008)\CADD\THE\128232\BASES\XS-RIBBLE.DWG, G:\2006\005\06150078\JEFFERSON MEMORIAL CONSTRUCTION DOCS (2008)\CADD\THE\128232\BASES\XC-BEAMS.DWG

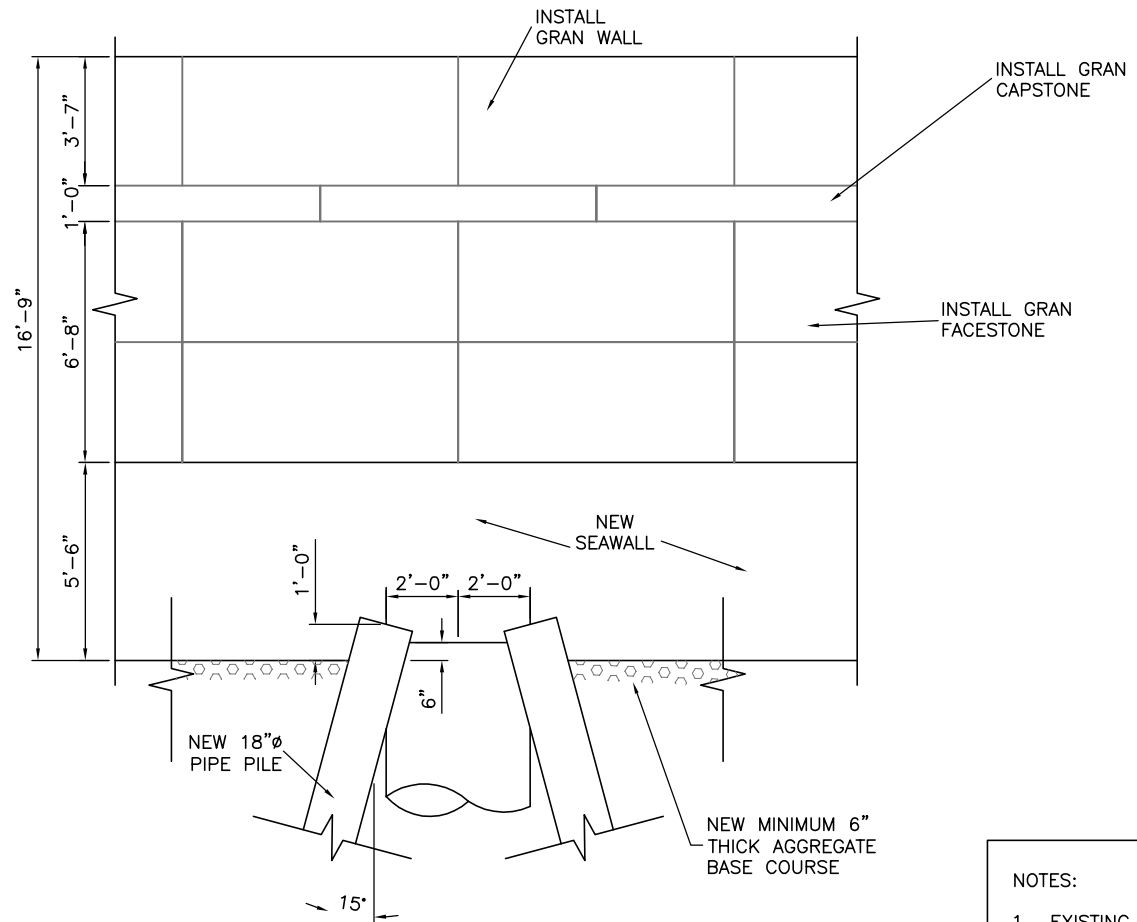


1 SECTION AT MID PEDESTAL WALL



2 SECTION AT MID PEDESTAL WALL - TYPICAL

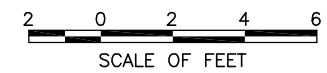
NOTE:  
ASHLAR WALL FACING STONES  
NOT SHOWN FOR CLARITY



3 ELEVATION VIEW AT MID PEDESTAL WALL - TYPICAL

NOTES:

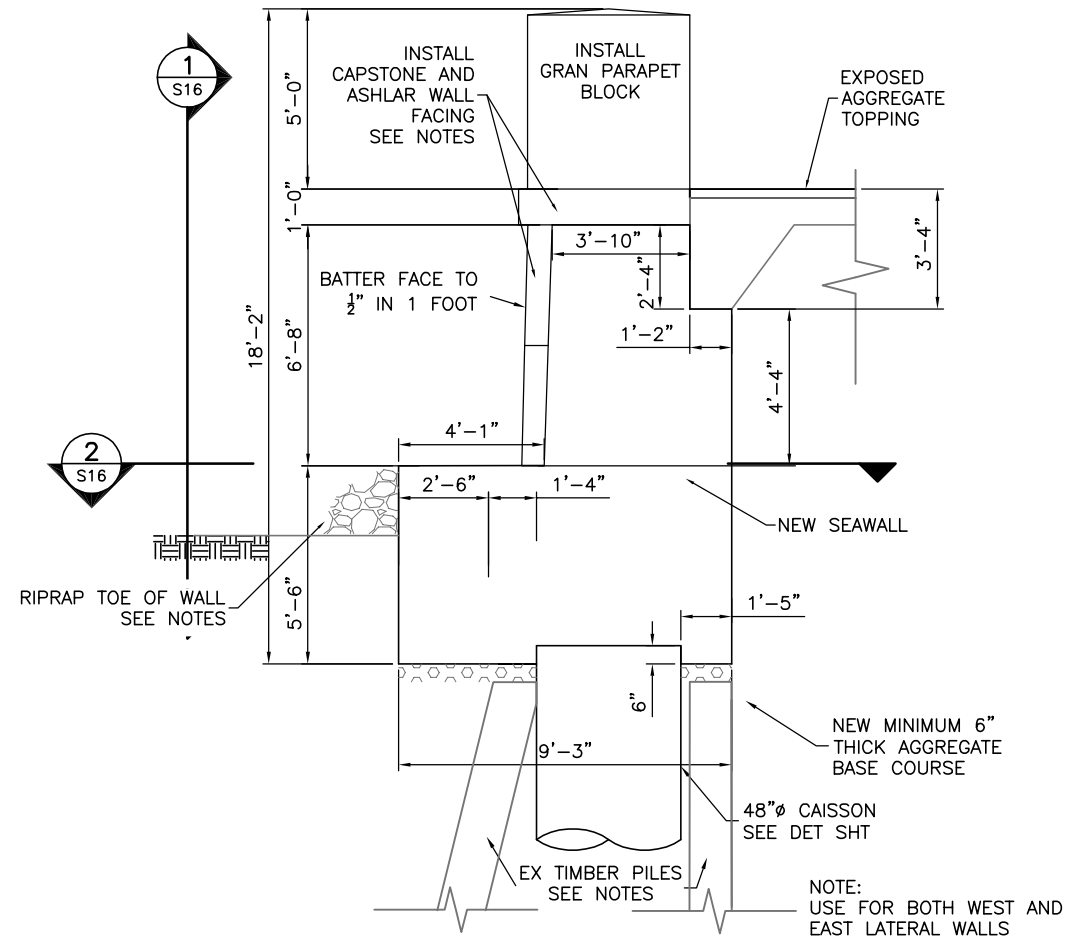
1. EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
2. SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
3. GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
4. CAPSTONE SHALL OVERHANG ASHLAR FACING BY 3 INCHES. THE STONE LAYOUT AND JOINT PATTERN SHALL CONFORM/MATCH EXISTING.
5. CAPSTONE SHALL BE SET ON MINIMUM 1" BEDDING MORTAR.
6. REFER TO SHEET G1 GENERAL NOTES.
7. PIPE PILE BAR AND PLATE NOT SHOWN FOR CLARITY.



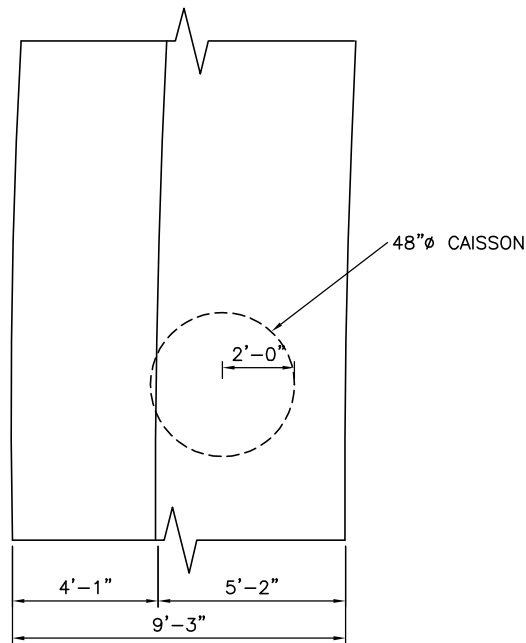
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TECH. REVIEW: DW, JG	DATE: 4-2-09	THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
			SHEET <b>33 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 11:49 NEAHEY R17 C:\2006\JOBS\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S16\_SEAWALL.DWG  
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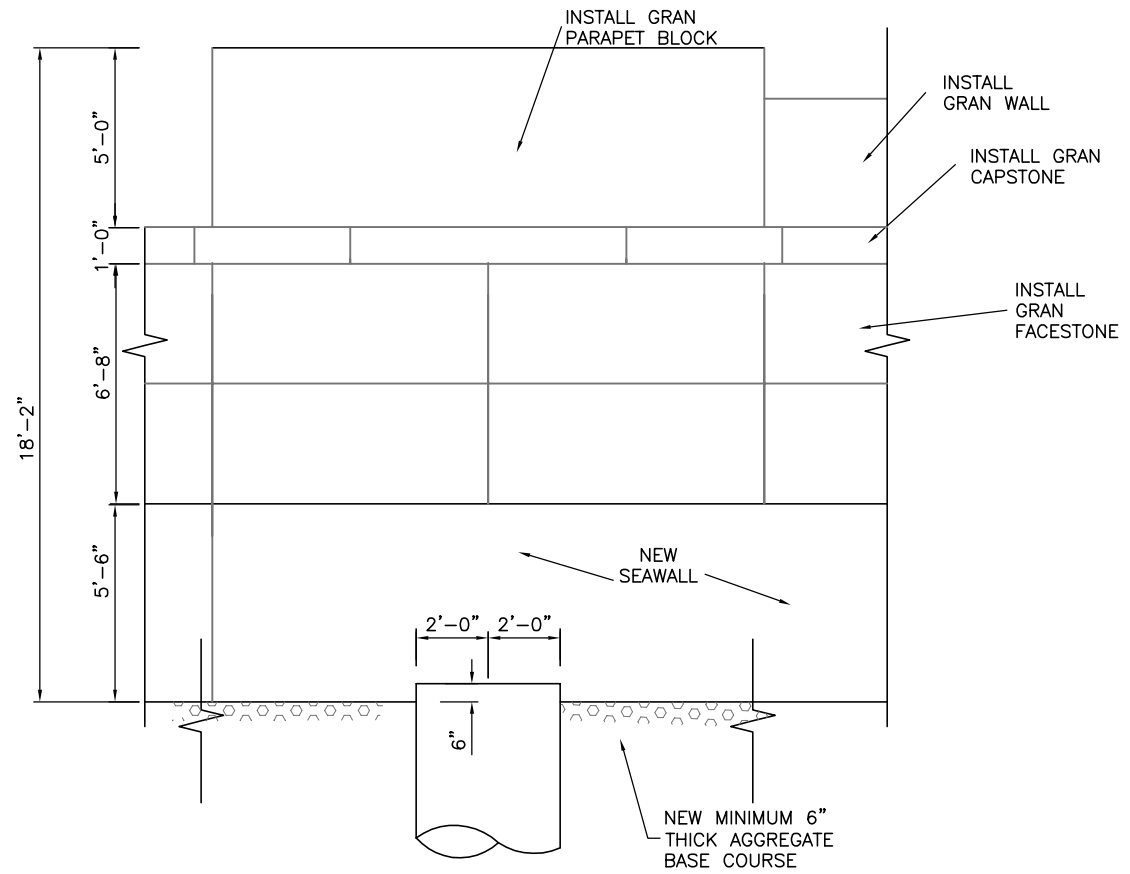


**3** SECTION AT PARAPET BLOCK



**2** SECTION AT PARAPET BLOCK - TYPICAL

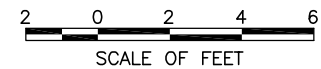
NOTE:  
ASHLAR WALL FACING STONES  
NOT SHOWN FOR CLARITY



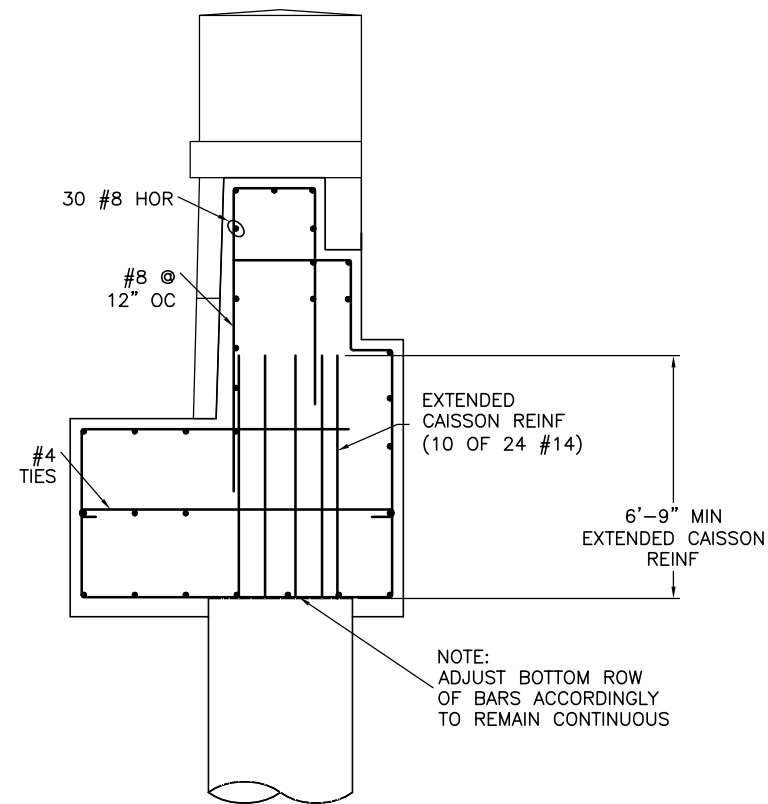
**1** ELEVATION VIEW AT PARAPET BLOCK - TYPICAL

NOTES:

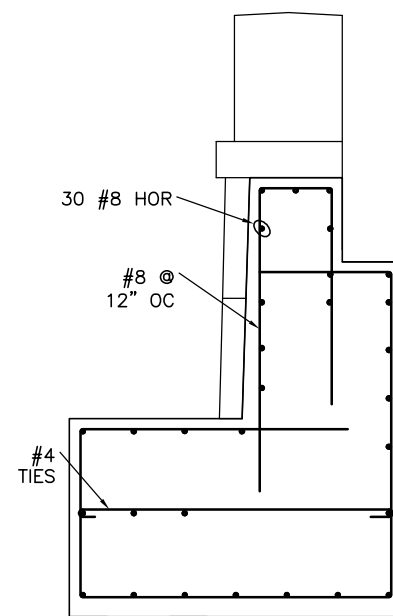
1. EXISTING TIMBER PILES TO BE CUT OFF A MINIMUM OF ONE FOOT BELOW BOTTOM OF PROPOSED SEAWALL. PER NPS DISCRETION, A SECTION OF THE EXISTING TIMBER PILES WILL BE SALVAGED AND DELIVERED TO THE NPS FOR FUTURE DENDROCHRONOLOGY ANALYSIS.
2. SAW CUT TO FULL DEPTH, REMOVE AND REPLACE APPROXIMATELY 10 FT OF PLAZA SLAB FROM BACK OF EXISTING WALL TO NEAREST JOINT AT GRANITE CURB LOCATION.
3. GROUND SURFACE SHOWN AT TOE OF WALL IS APPROXIMATE AND VARIES. SOIL SHALL BE GRADED SUCH THAT GROUND SURFACE IS 2 FT BELOW THE TOP OF TOE OF THE NEW SEAWALL. RIPRAP SHALL BE PLACED 4 FT WIDE BY 2 FT HIGH ALONG LENGTH OF SEAWALL. RIPRAP MAY BE REUSED FROM BASE OF EXISTING SEAWALL IN ACCORDANCE WITH 31 37 00.
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6. REFER TO SHEET G1 GENERAL NOTES.



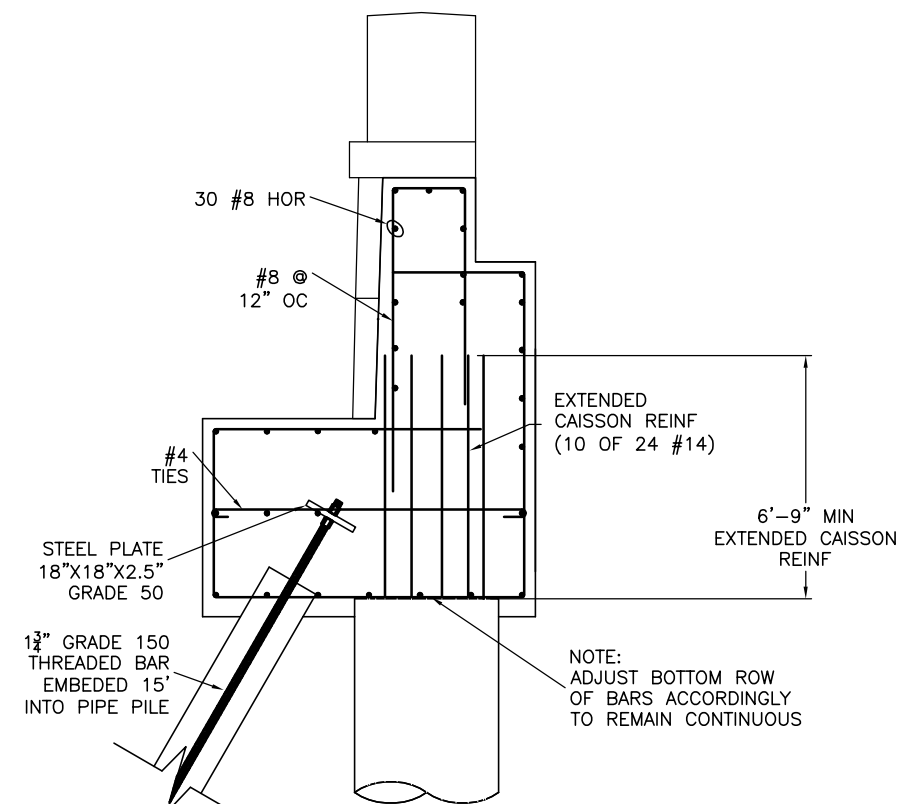
DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S16</b>	TITLE OF SHEET <b>SEAWALL DETAILS AT PARAPET BLOCK</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG	DATE: 4-2-09	THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
			SHEET <b>34 of 51</b>



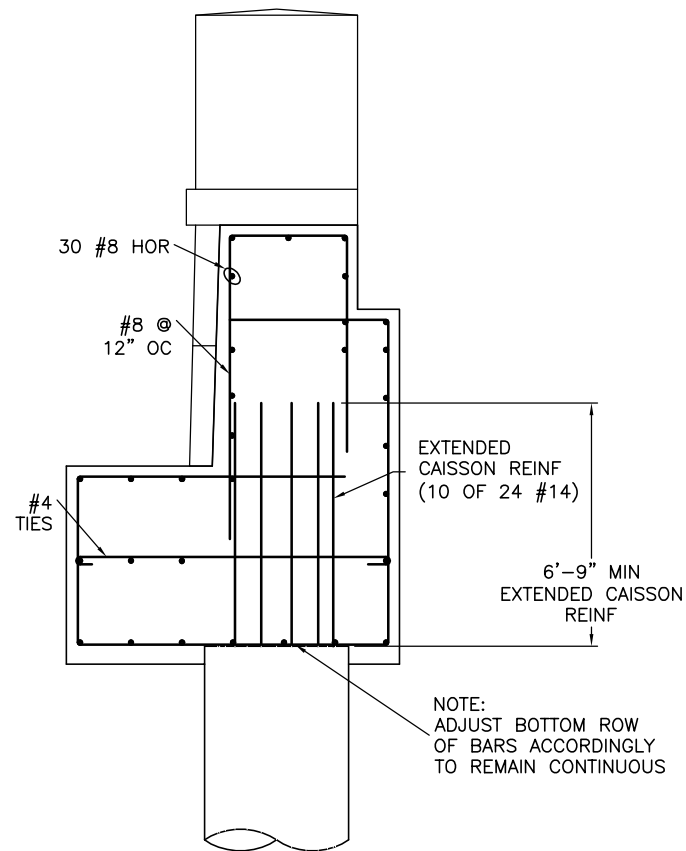
1 SECTION AT NORTHEAST AND NORTHWEST STEPS  
S17



4 SECTION VIEW AT MIDWALL ADJACENT TO SIDEWALK  
S17

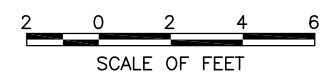


6 SECTION AT SIDEWALK ADJACENT TO SEAWALL  
S17



5 SECTION AT PARAPET BLOCK  
S17

NOTES:  
 1. BAR LENGTHS AND DISTRIBUTION ARE FOR REFERENCE ONLY. ACTUAL BEND RADII AND MINIMUM LENGTH AND SPLICE REQUIREMENTS TO BE DEFINED BY DETAILER.  
 2. REFER TO SHEET G1 GENERAL NOTES.

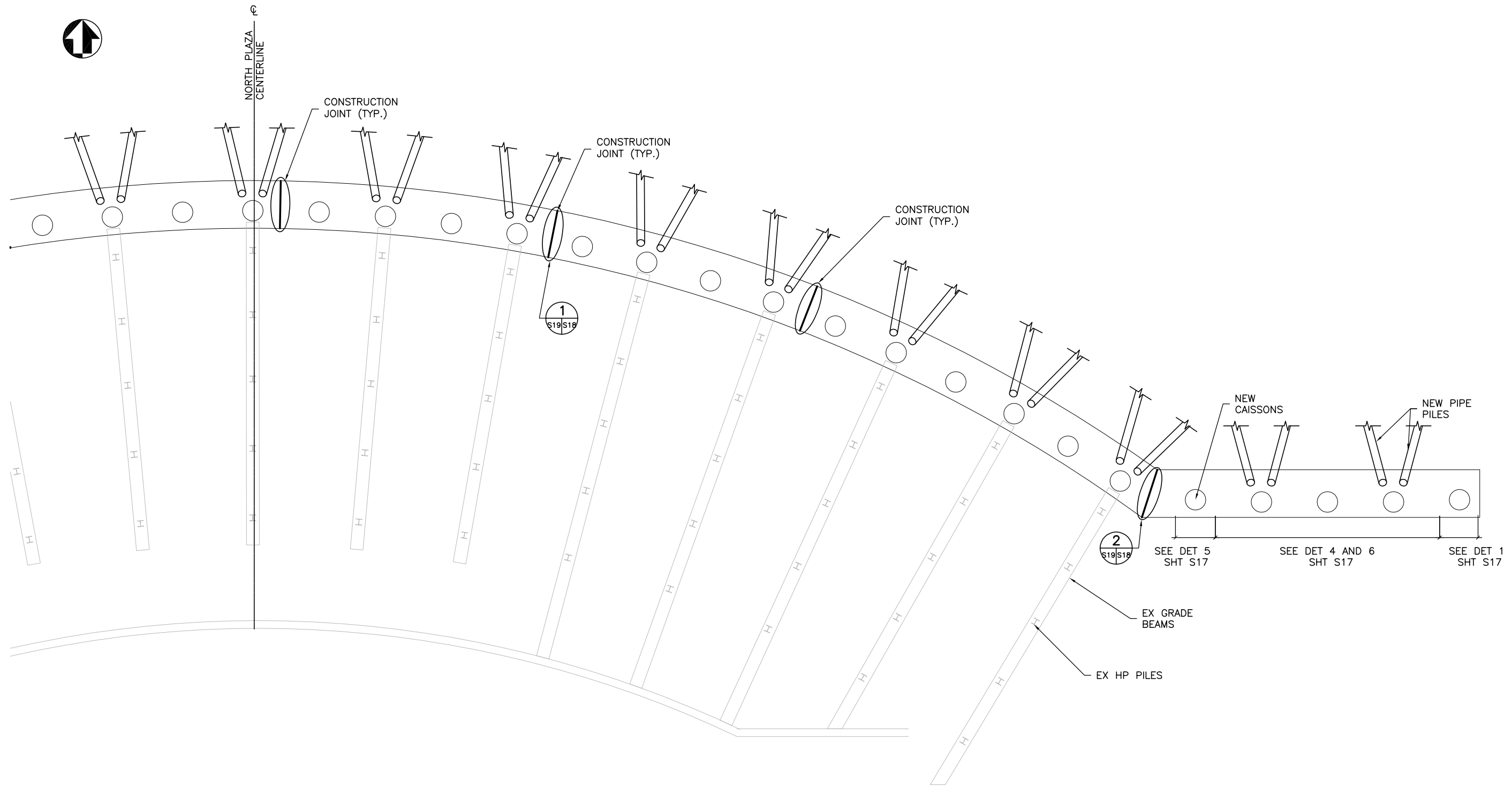


DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S17</b>	TITLE OF SHEET <b>SEAWALL REINFORCING DETAILS AT PEDESTAL WALL</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>35 of 52</b>
DATE: 4-2-09			

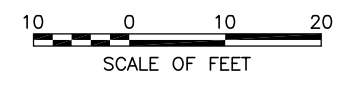




4/1/09 18:05 NFAHEY R17 c:\2006\OBS\06150076.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S19 REINFORCING.DWG  
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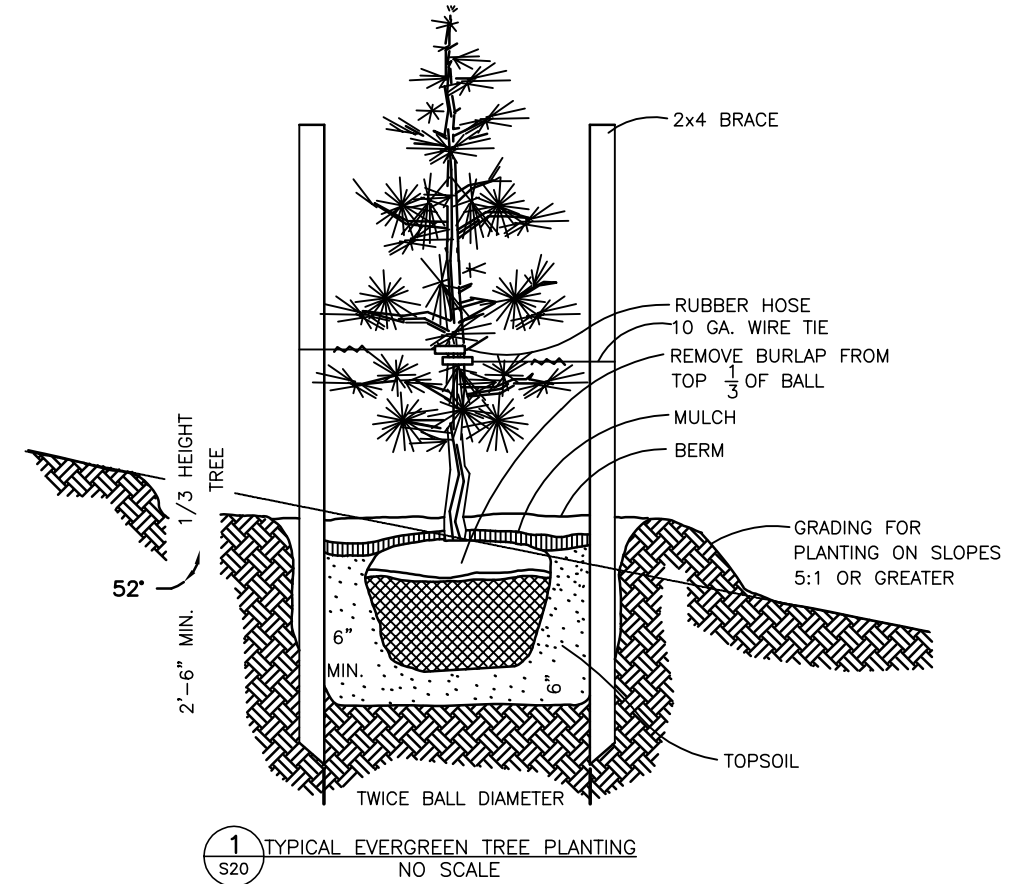
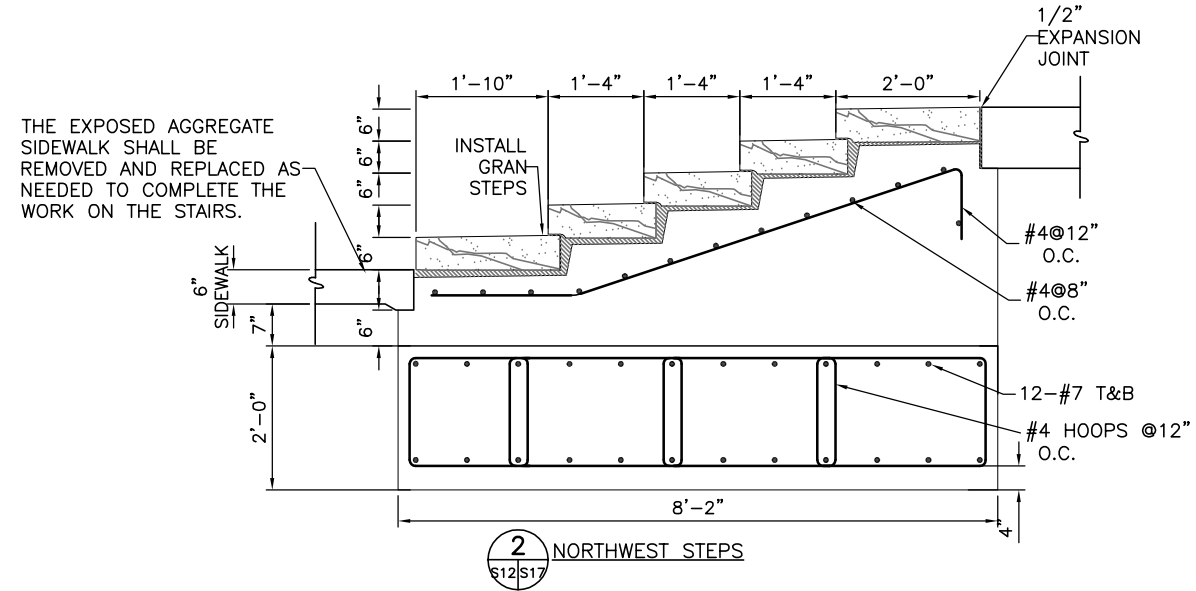
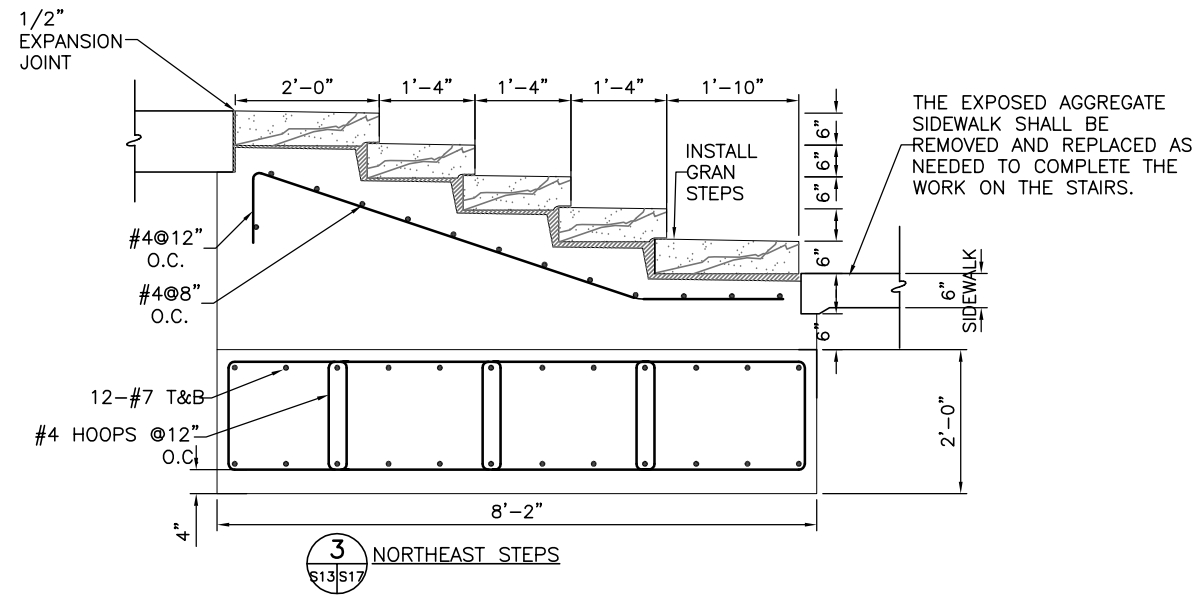


EAST SEAWALL REINFORCEMENT – PLAN VIEW



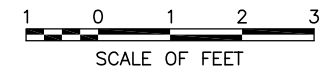
DESIGNED: DW, JG, HR	SUB SHEET NO. <b>S19</b>	TITLE OF SHEET <b>SEAWALL PLAN VIEW EAST</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>37 of 52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



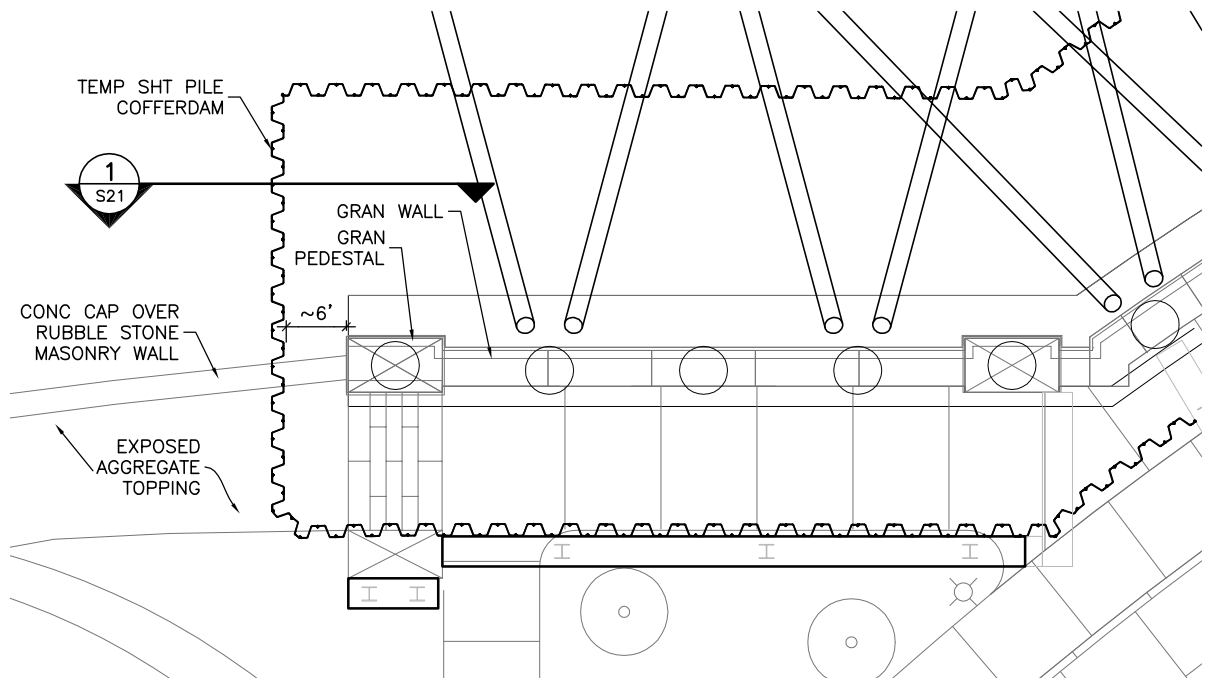
NOTES:

1. BAR LENGTHS AND DISTRIBUTION ARE FOR REFERENCE ONLY. ACTUAL BEND RADII AND MINIMUM LENGTH AND SPLICE REQUIREMENTS TO BE DEFINED BY DETAILER.
2. REFER TO SHEET G1 GENERAL NOTES.
3. REPLACED PINE TREE SHALL BE PINUS TAEDA OR PINUS VIRGINIANA. NEW TREES SHALL BE A MINIMUM OF 10' TALL AND 4" DIAMETER.

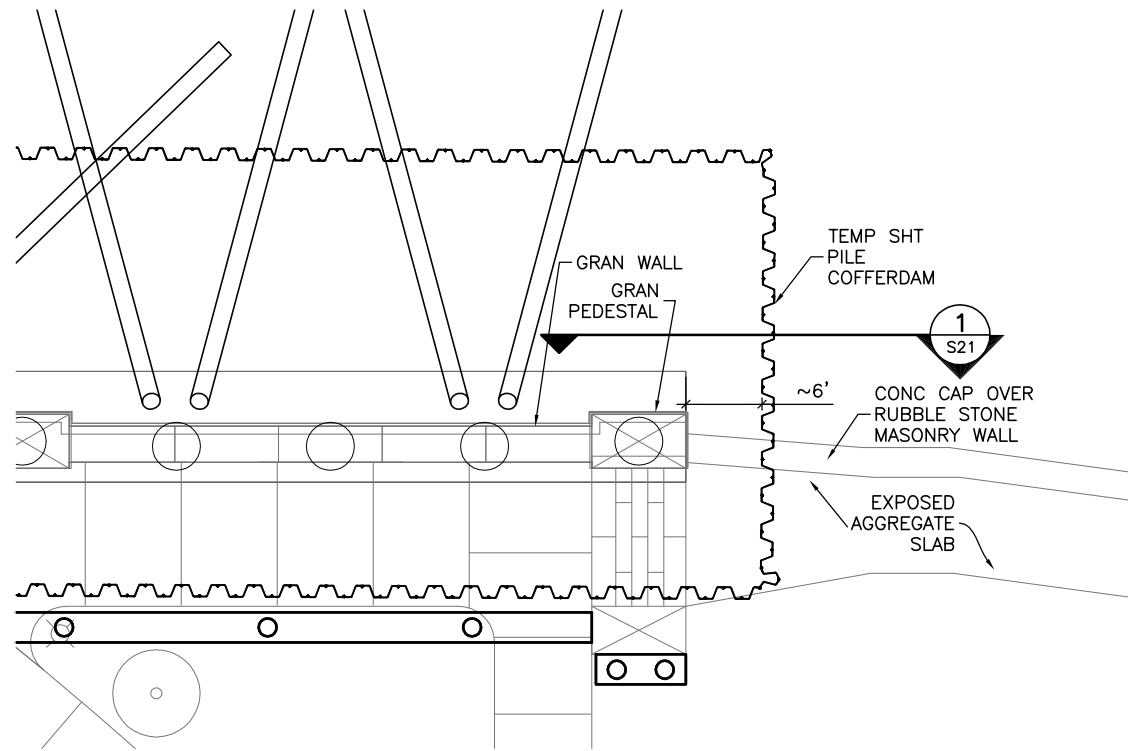


DESIGNED: DW, JG, HR	SUB SHEET NO. <b>S20</b>	TITLE OF SHEET <b>NORTHWEST AND NORTHEAST STAIR DETAILS</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>38 of 52</b>

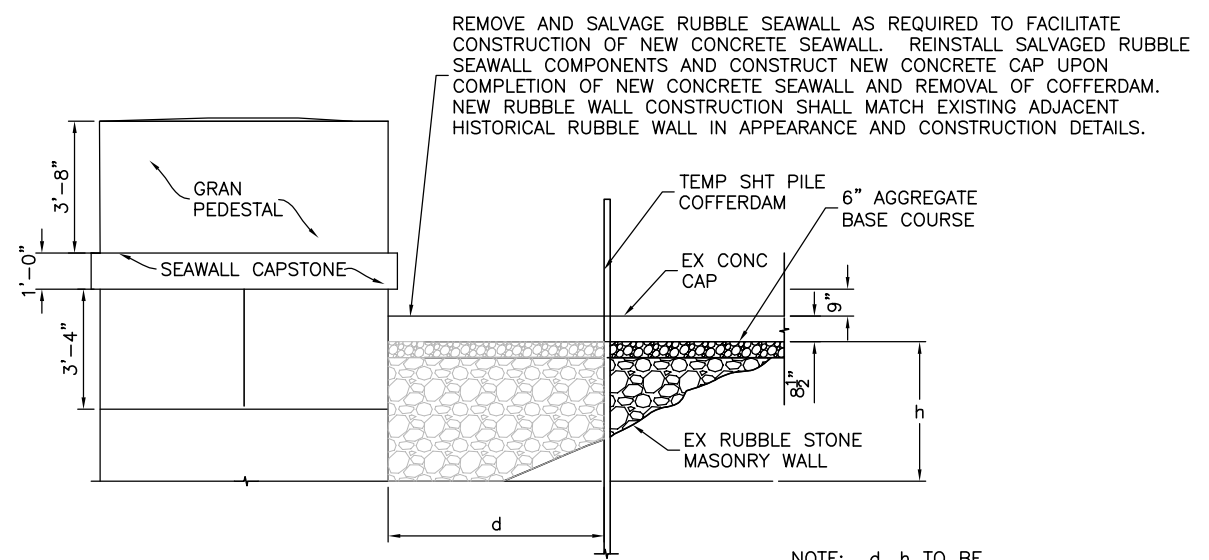
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NORTHWEST STAIR TO RUBBLE WALL DETAIL - PLAN VIEW

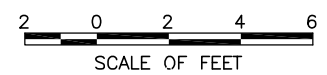


NORTHEAST STAIR TO RUBBLE WALL DETAIL - PLAN VIEW



1 STAIR TO RUBBLE WALL DETAIL

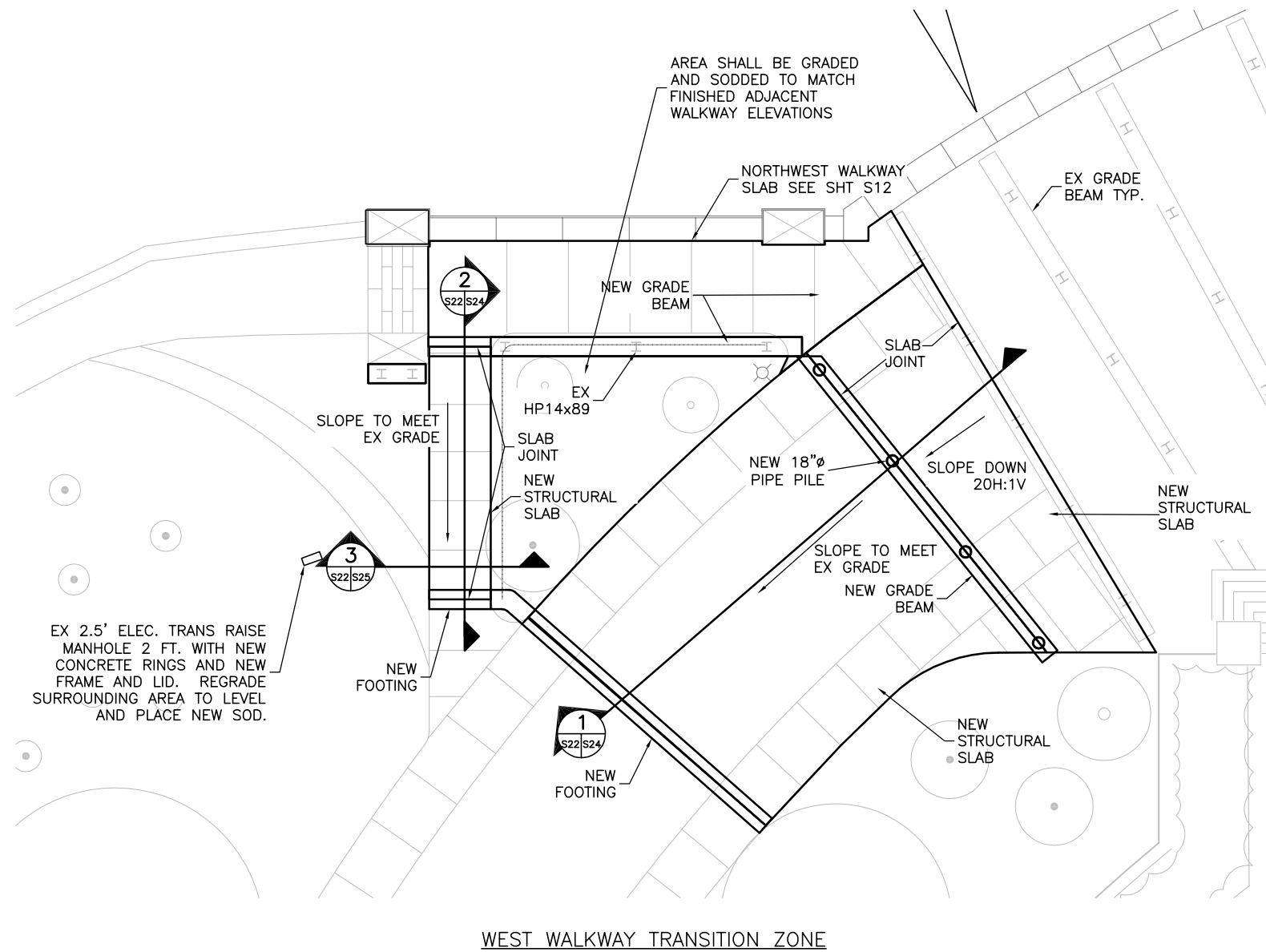
NOTE: d, h TO BE DETERMINED ON SITE BY THE CONTRACTING OFFICER.



DESIGNED: DW, MD, GA, RD	SUB SHEET NO. <b>S21</b>	TITLE OF SHEET <b>PLAN AND DETAILS AT RUBBLE WALL</b>	DRAWING NO. <b>802</b>
NSF, MD		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET <b>39</b> of <b>52</b>

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

4/2/09 12:01 NFAHEY R17 G:\2006\085\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THJE\128232\STRUC\W.DWG XREFS: ..\BASES\XC-BEAMS.DWG; G:\2006\085\06150078.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THJE\128232\BASES\XC-AREF.DWG;



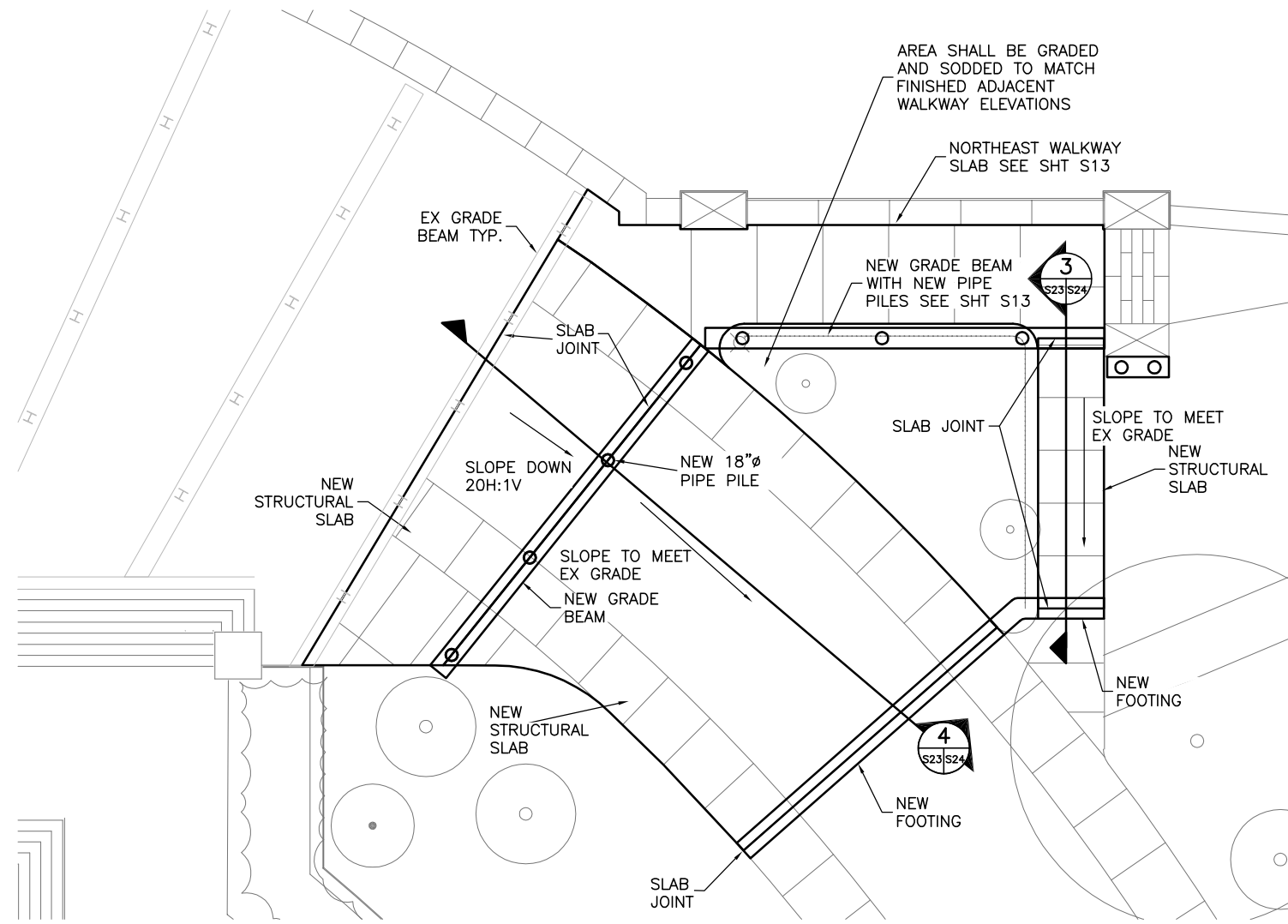
- NOTES:
1. REFER TO SHEET G1 GENERAL NOTES.
  2. PIPE PILES SHALL BE DRIVEN TO REFUSAL AND TO SIMILAR DEPTHS AS PIPE PILES ALONG SEAWALL.
  3. FIRST SEGMENT OF TRANSITION ZONE SHALL SLOPE DOWN AT 20H:1V FROM THE EXISTING PLAZA ELEVATION. SECOND SEGMENT SHALL SLOPE TO MEET EXISTING GRADE. ESTIMATED SETTLEMENT OF NEW FOOTING TO REACH 20H:1V SLOPE IS APPROXIMATELY 12 IN.
  4. WALKWAY FROM STAIRS TO RING ROAD SHALL SLOPE TO MEET EXISTING GRADE.
  5. UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE AND/OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.
  6. DRAINAGE GRATES EXIST ALONG THE RING ROAD, SET IN THE GRANITE CURBING, AT AN APPROXIMATE 25' INTERVAL. APPROXIMATELY 3 EXIST WITHIN THE TRANSITION ZONE. ACTUAL LOCATIONS HAVE NOT BEEN SURVEYED. CONTRACTOR SHALL REINSTALL THE GRATES IN THE SAME LOCATION.
  7. CONTRACTOR SHALL REPLACE 3 PINE TREES REMOVED IN TRIANGULAR AREA. SEE SHEET S20 FOR DETAILS.



DESIGNED: DW, PS, JM	SUB SHEET NO.  <b>S22</b>	TITLE OF SHEET <b>WEST TRANSITION PLAN</b>	DRAWING NO. <b>802</b>	
NSF, JM		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	25002A	
TECH. REVIEW: DW, JG				PMIS/PKG NO. 128232
DATE: 4-2-09				SHEET 40 of 52

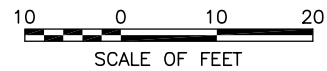
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

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EAST WALKWAY TRANSITION ZONE

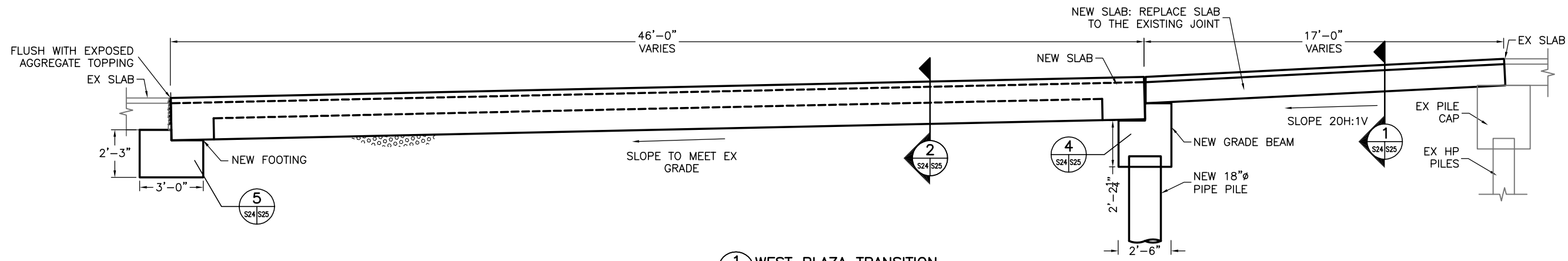
- NOTES:
- REFER TO SHEET G1 GENERAL NOTES.
  - PIPE PILES SHALL BE DRIVEN TO REFUSAL AND TO SIMILAR DEPTHS AS PIPE PILES ALONG SEAWALL.
  - FIRST SEGMENT OF TRANSITION ZONE SHALL SLOPE DOWN AT 20H:1V FROM THE EXISTING PLAZA ELEVATION. SECOND SEGMENT SHALL SLOPE TO MEET EXISTING GRADE. ESTIMATED SETTLEMENT OF NEW FOOTING TO REACH 20H:1V SLOPE IS APPROXIMATELY 12 IN.
  - WALKWAY FROM STAIRS TO RING ROAD SHALL SLOPE TO MEET EXISTING GRADE.
  - UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE AND/OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.
  - DRAINAGE GRATES EXIST ALONG THE RING ROAD, SET IN THE GRANITE CURBING, AT AN APPROXIMATE 25' INTERVAL. APPROXIMATELY 3 EXIST WITHIN THE TRANSITION ZONE. ACTUAL LOCATIONS HAVE NOT BEEN SURVEYED. CONTRACTOR SHALL REINSTALL THE GRATES IN THE SAME LOCATION.
  - CONTRACTOR SHALL REPLACE 2 PINE TREES REMOVED IN TRIANGULAR AREA. SEE SHEET S20 FOR DETAILS.



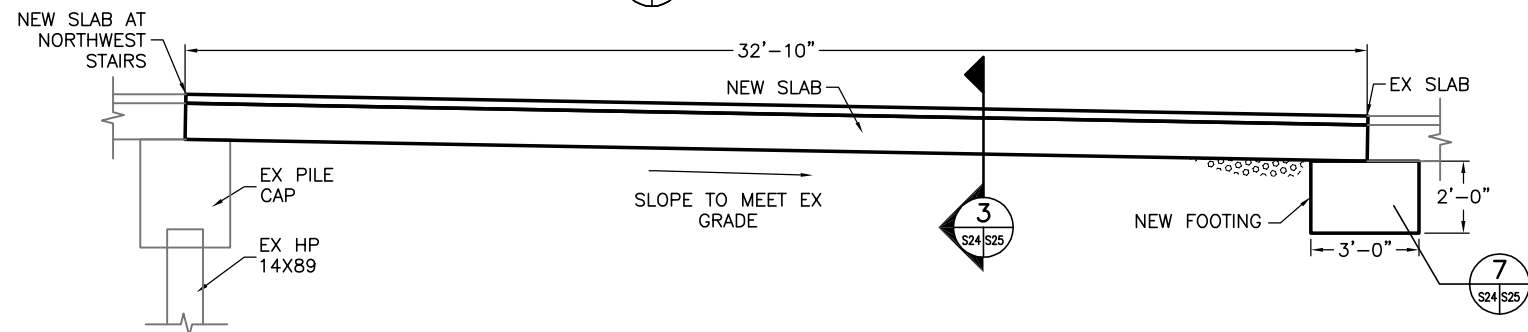
DESIGNED: DW, PS, JM	SUB SHEET NO.  <b>S23</b>	TITLE OF SHEET <b>EAST TRANSITION PLAN</b>	DRAWING NO. <b>802</b>
NSF, JM			25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09			SHEET 41 of 52

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

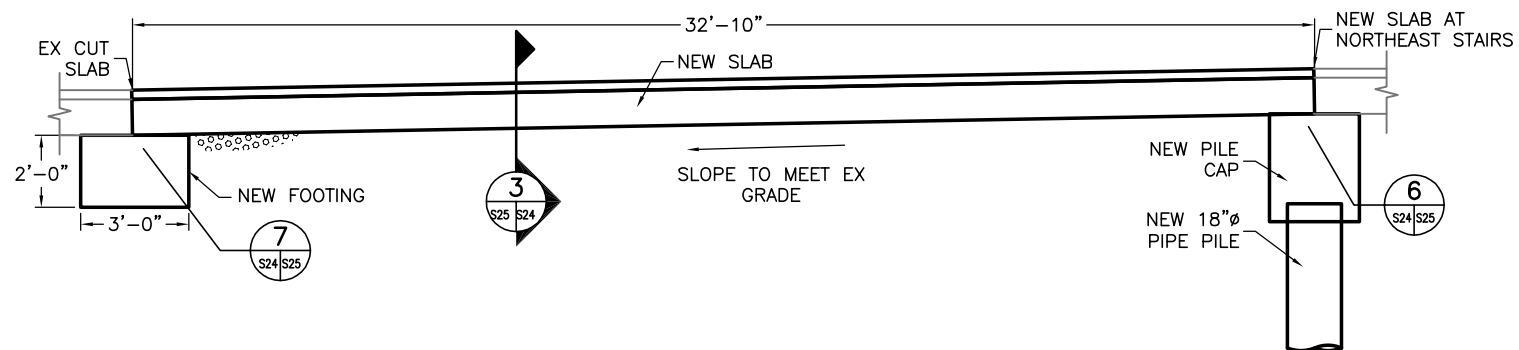
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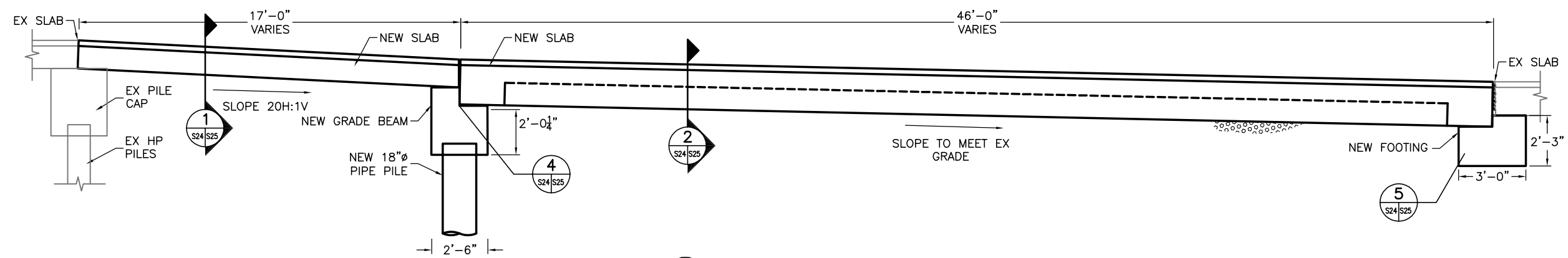
1 WEST PLAZA TRANSITION  
S24/S25



2 NORTHWEST STAIR TRANSITION  
S22/S24

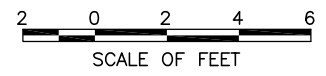


3 NORTHEAST STAIR TRANSITION  
S25/S24



4 EAST PLAZA TRANSITION  
S23/S24

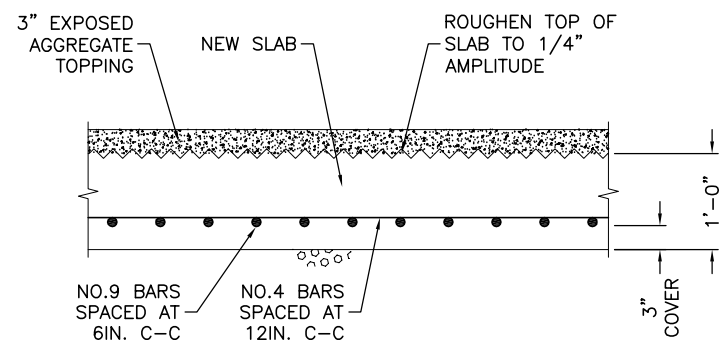
- NOTES:
1. REFER TO SHEET G1 GENERAL NOTES.
  2. CONTRACTOR WILL NEED TO EXCAVATE BENEATH EXISTING SLAB IN ORDER TO BUILD NEW FOOTING.
  3. AT EXISTING SLABS, CREATE CONSTRUCTION JOINT BY SAW CUTTING TO FULL DEPTH.
  4. UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE AND/OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.



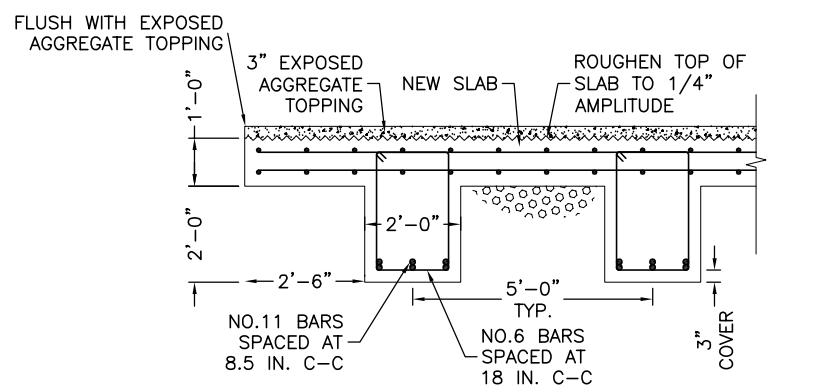
DESIGNED: DW, JM, PS	SUB SHEET NO. <b>S24</b>	TITLE OF SHEET <b>TRANSITION DETAILS</b>	DRAWING NO. <b>802 25002A</b>
NSF, JM		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>42 of 52</b>
DATE: 4-2-09			

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

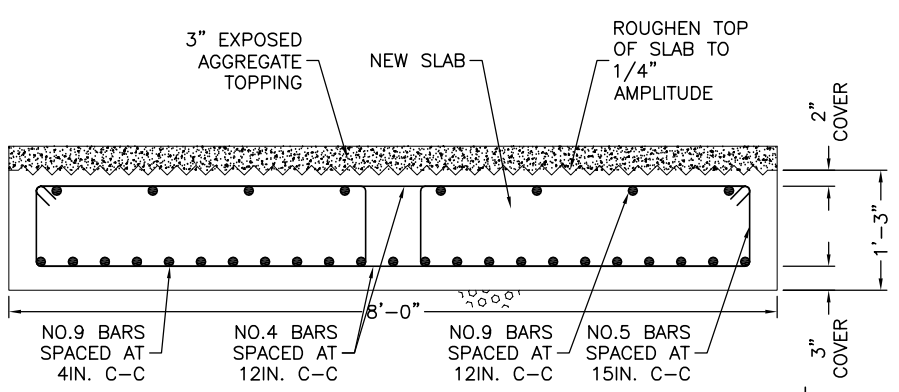
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**1** 17' REPLACEMENT TRANSITION SLAB DETAIL (TYP)  
SCALE (A)

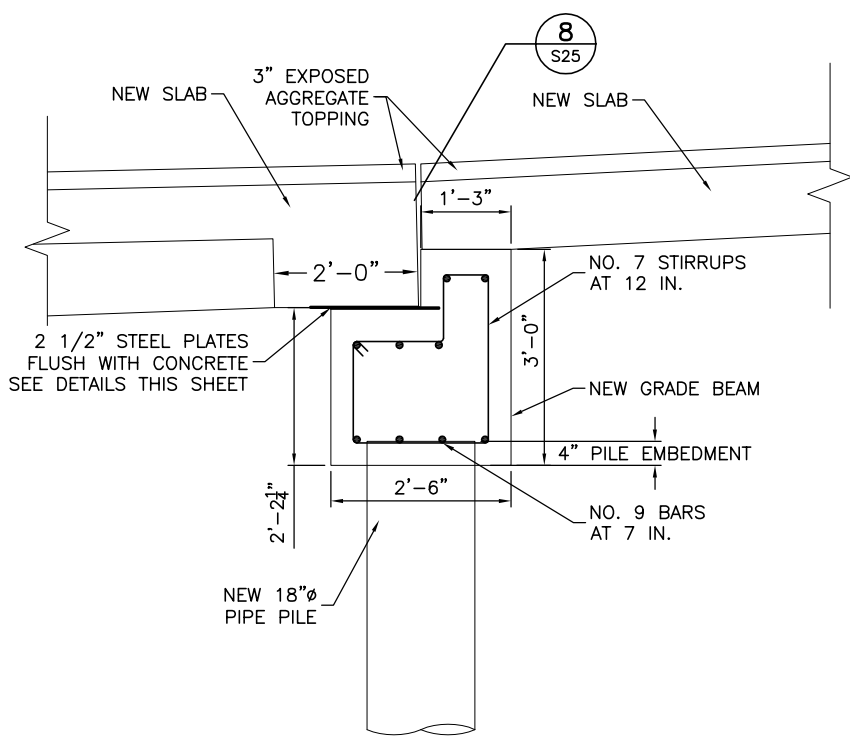


**2** 46' REPLACEMENT TRANSITION SLAB DETAIL (TYP)  
SCALE (B)

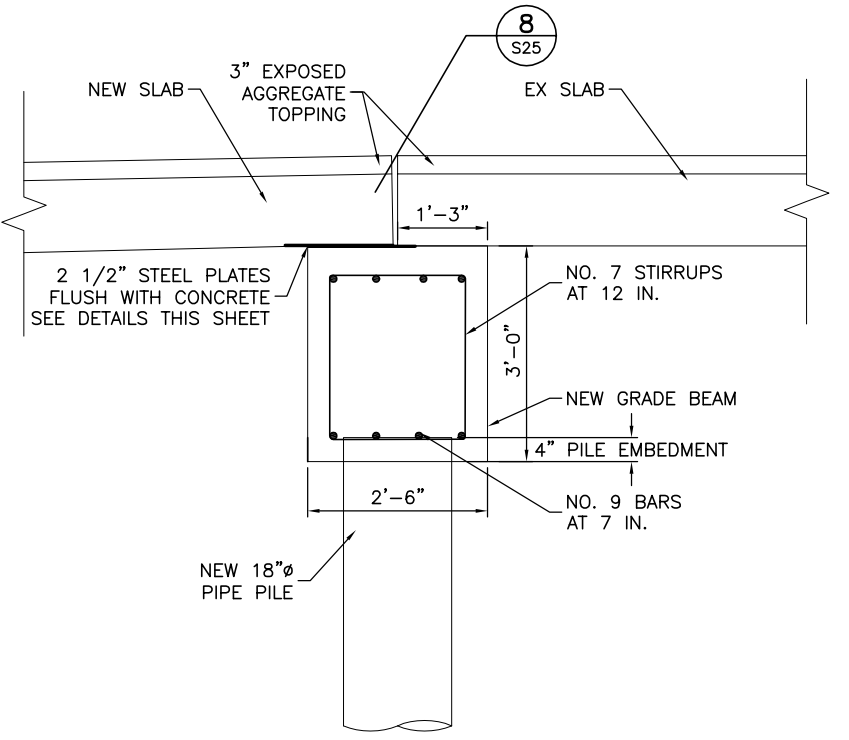


**3** STAIR TRANSITION SLAB DETAIL (TYP)  
SCALE (A)

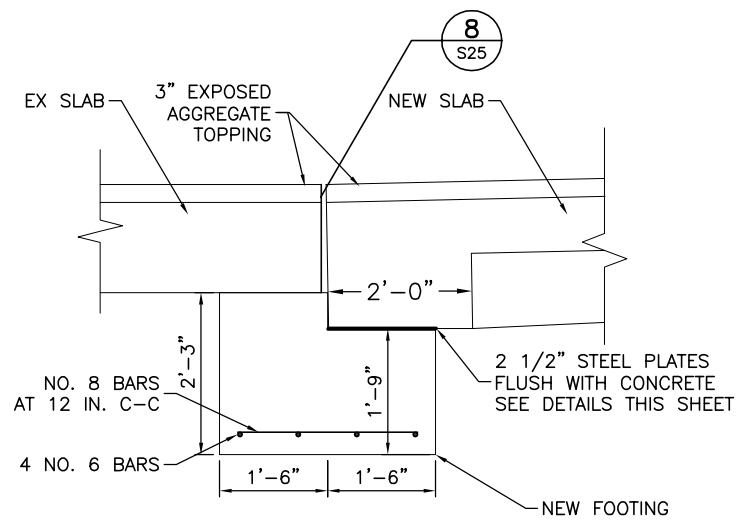
- NOTES:
- REFER TO SHEET G1 GENERAL NOTES.
  - CONTRACTOR WILL NEED TO EXCAVATE BENEATH EXISTING SLAB IN ORDER TO BUILD NEW GRADE BEAMS.
  - UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.



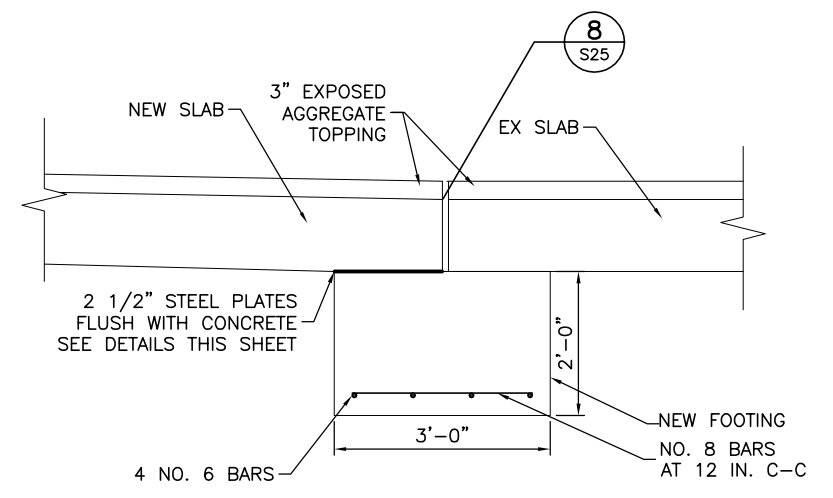
**4** NEW GRADE BEAM  
SCALE (C)



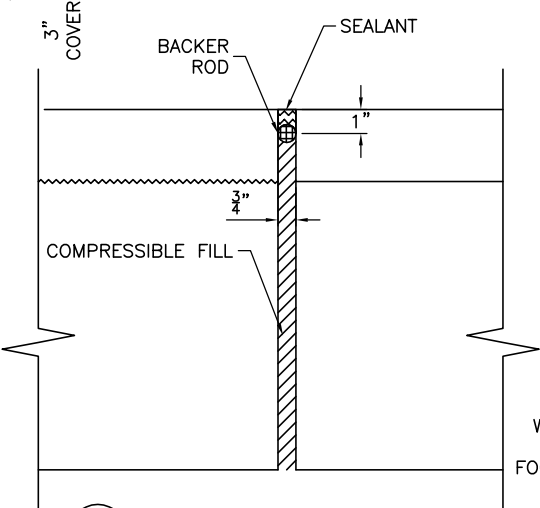
**6** NEW GRADE BEAM  
SCALE (C)



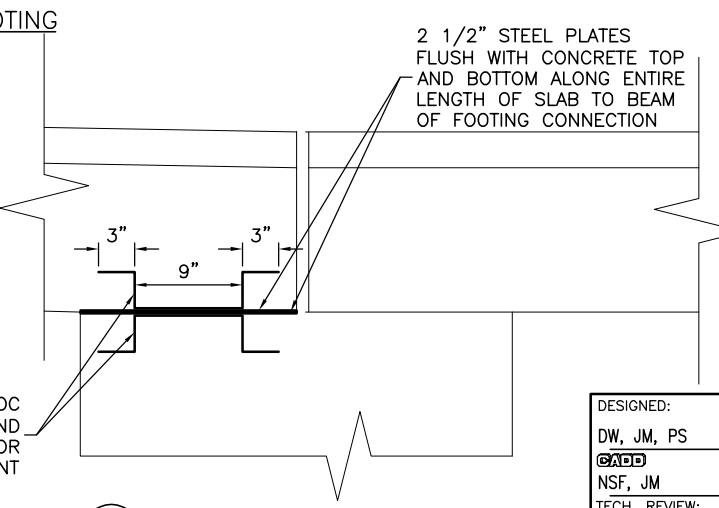
**5** NEW FOOTING  
SCALE (C)



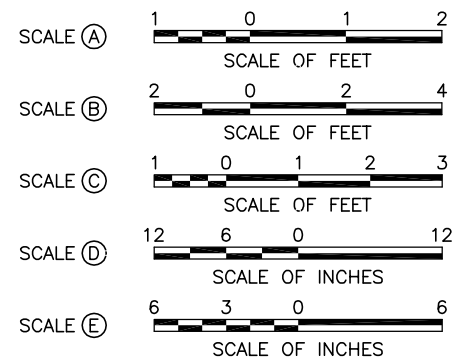
**7** NEW FOOTING  
SCALE (C)



**8** SLAB CONSTRUCTION JOINT  
SCALE (E)



**8** SLAB CONSTRUCTION JOINT  
SCALE (D)

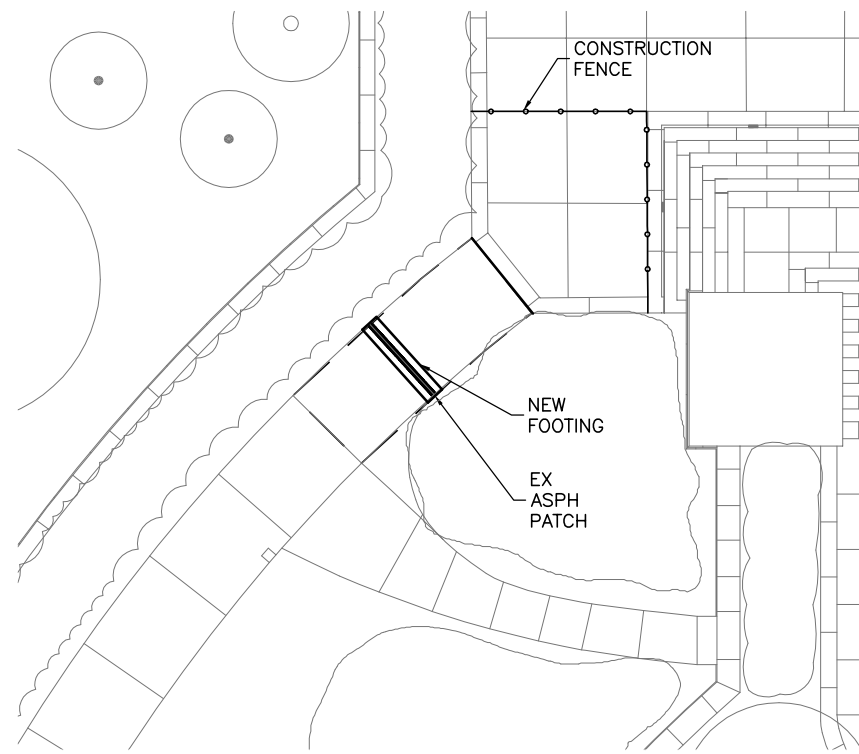


DESIGNED: DW, JM, PS	SUB SHEET NO. <b>S25</b>	TITLE OF SHEET <b>TRANSITION DETAILS</b>	DRAWING NO. <b>802 25002A</b>
NSF, JM		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET <b>43</b> of <b>52</b>
DATE: 4-2-09			

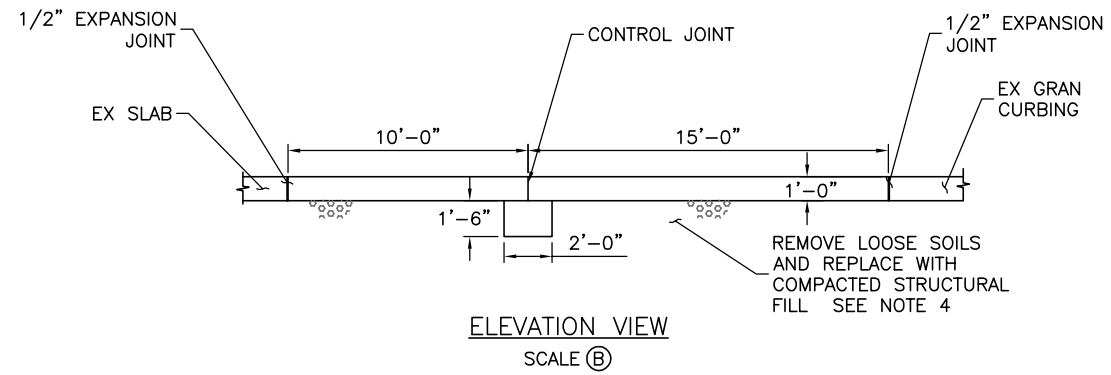
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



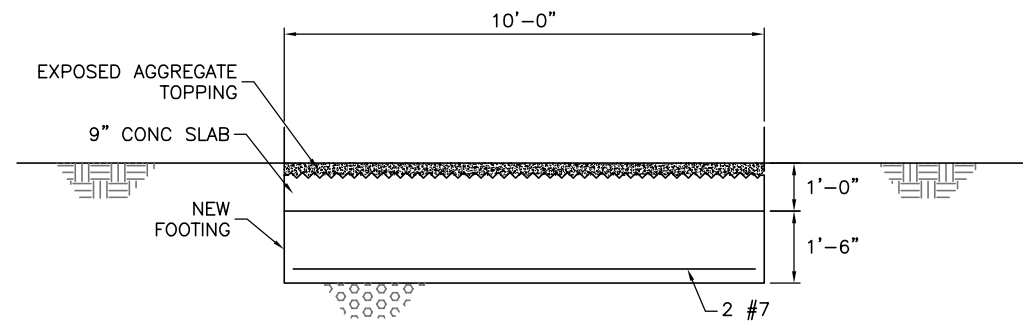
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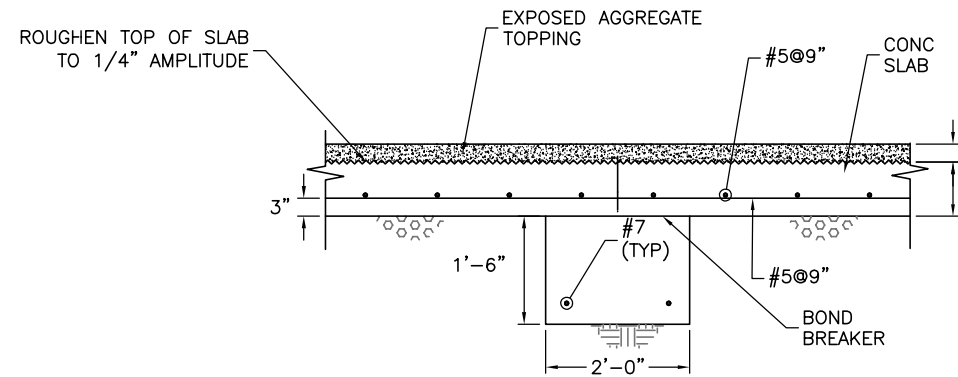
PLAN VIEW  
SCALE (A)



ELEVATION VIEW  
SCALE (B)



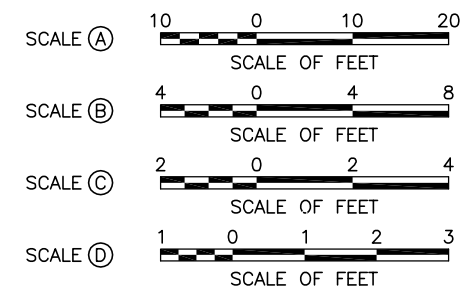
SECTION VIEW  
SCALE (C)



DETAIL  
SCALE (D)

TERRACE WALKWAY CONSTRUCTION SEQUENCE	
STEP	DESCRIPTION
1	ERECT FENCING AND SIGNAGE
2	DEMO EXISTING SLABS
3	EXCAVATE FOR NEW FOOTING
4	FORM FOOTING AND PLACE REBAR
5	POUR FOOTING
6	PLACE BOND BREAKER AND SLAB REBAR
7	POUR SLAB
8	ROUGHEN SURFACE OF SLAB AND POUR EXPOSED AGGREGATE TOPPING
9	OPEN WALKWAY

- NOTES:
- REFER TO SHEET G1 GENERAL NOTES.
  - WALKWAY TO BE CLOSED DURING DEMOLITION AND REPLACEMENT OF THE WALKWAY. ONCE THE NEW WALKWAY IS COMPLETE, THE TERRACE WALKWAY SHALL BE REOPENED.
  - REFER TO S28 FOR EXPANSION JOINT DETAILS.
  - UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.
  - THE EXISTING CONDITIONS PLAN INDICATES A 12" CORRUGATED METAL PIPE IN THE AREA OF THE TERRACE WALKWAY CONSTRUCTION. THE CONTRACTOR SHALL USE CARE DURING EXCAVATION AND RECONSTRUCTION ACTIVITIES TO NOT CAUSE DAMAGE TO THIS PIPE. DAMAGE CAUSED DURING CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

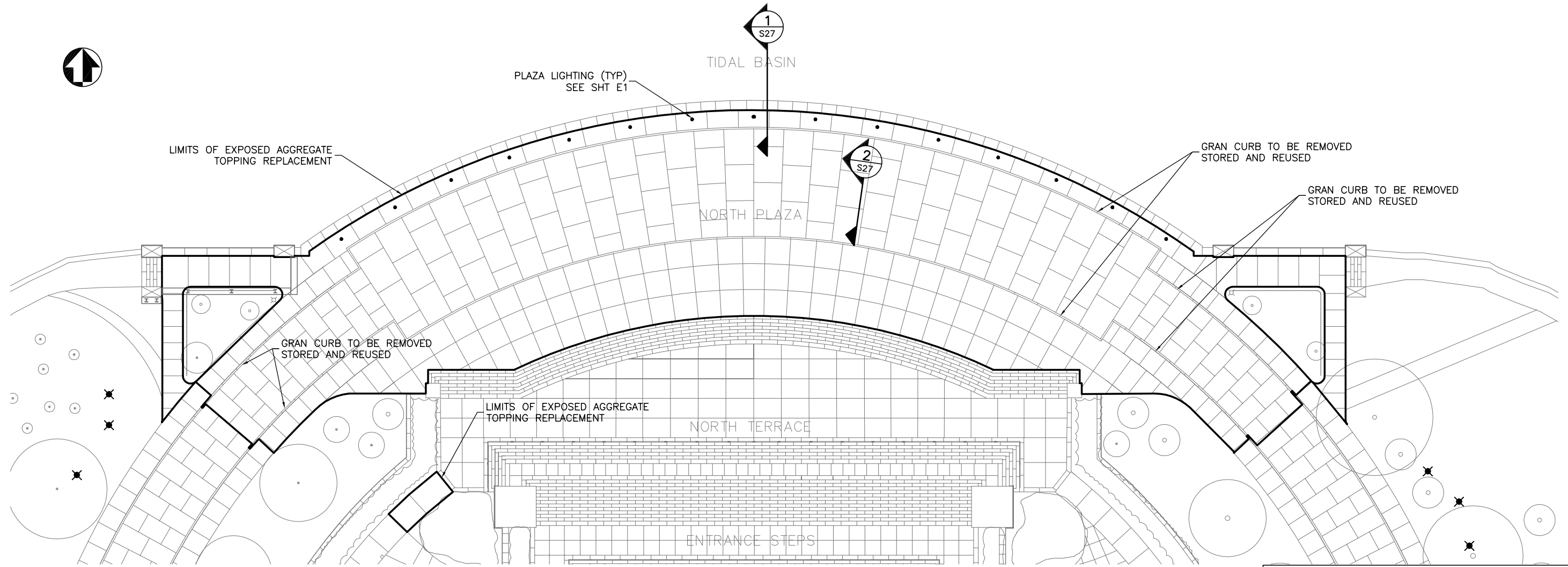


REFERENCE: BASE DRAWINGS WERE PROVIDED BY NATIONAL PARK SERVICE.

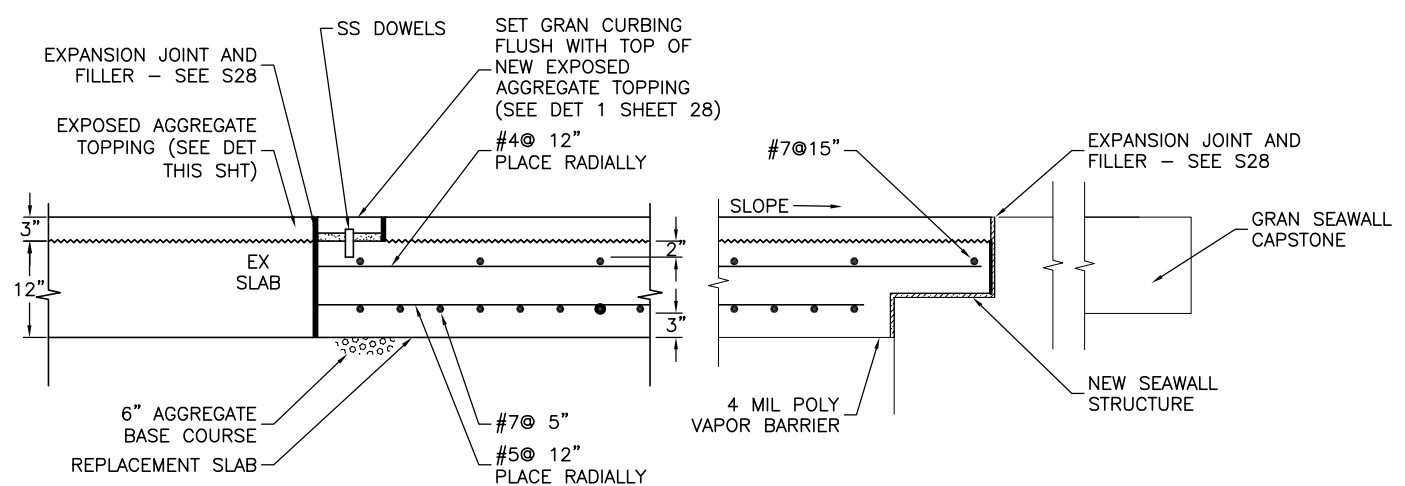
DESIGNED: DW, PS	SUB SHEET NO. <b>S26</b>	TITLE OF SHEET <b>TERRACE WALKWAY</b>	DRAWING NO. <b>802</b> <b>25002A</b>
NSF			PMIS/PKG NO. 128232
TECH. REVIEW: JG, DW			SHEET 44 OF 52
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

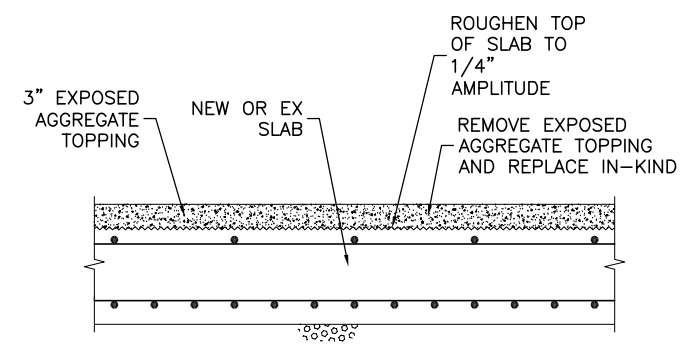
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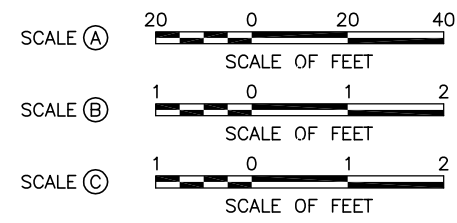
NORTH PLAZA  
SCALE (A)



1 S27 REPLACEMENT PLAZA SLAB DETAIL  
SCALE (B)



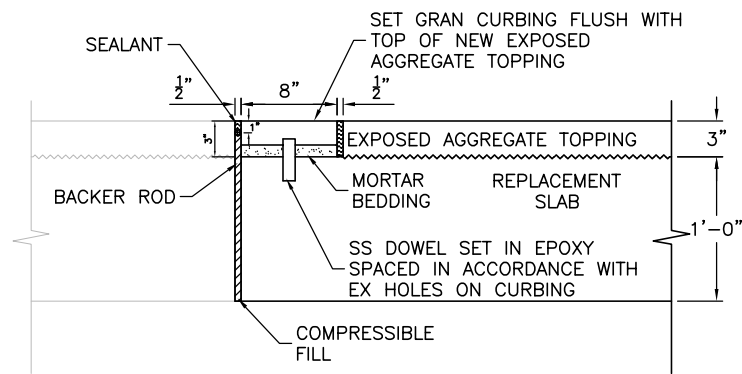
2 S27 REPLACEMENT EXPOSED AGGREGATE TOPPING DETAIL (TYPICAL)  
SCALE (C)



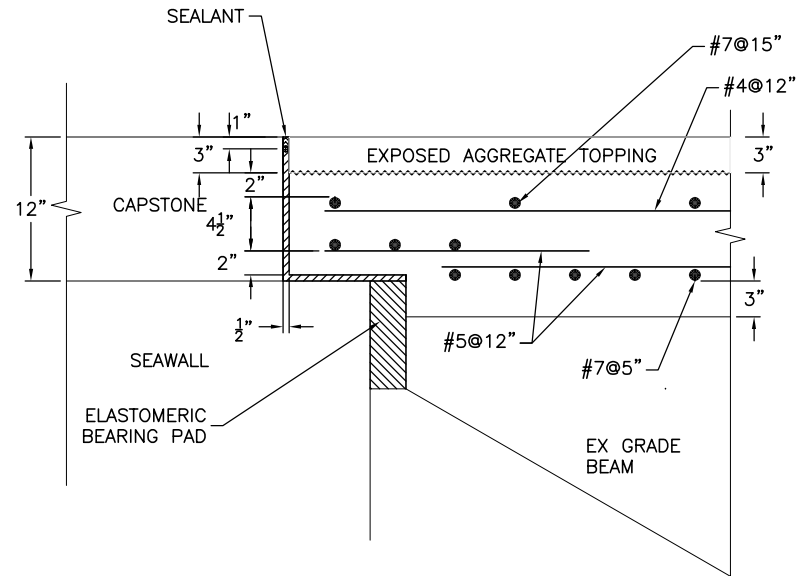
- NOTES:
- REFER TO SHEET G1 GENERAL NOTES.
  - A SUITABLE BOND BREAKER SHALL BE USED WHERE THE REPLACEMENT SEAWALL AND PLAZA SLAB ABUTS AGAINST THE EXISTING SEAWALL AT CLIN CONSTRUCTION LIMITS.
  - BOND BREAKER TO BE APPROVED BY CONTRACTING OFFICER.
  - LAP SPLICES SHALL BE A MINIMUM OF 54". TOP BARS SHALL BE SPLICED AT THE MIDPOINT BETWEEN GRADE BEAMS. BOTTOM BARS SHALL BE SPLICED AT THE GRADE BEAMS.
  - THE PIEZOMETERS AND INCLINOMETERS IN THE PLAZA SHALL BE PRESERVED AND THEIR COVERS SHALL BE ADJUSTED AS REQUIRED FOR THE INSTALLATION OF THE NEW TOPPING SLAB.
  - EXISTING TRASH CANS WITHIN THE LIMITS OF WORK SHALL BE SALVAGED AND REINSTALLED.
  - UNDER NEW SLABS, CONTRACTOR SHALL PLACE 6" OF AGGREGATE BASE COURSE UNDERLAIN BY PROPERLY COMPACTED FILL THAT IS FREE OF LOOSE OR DELETERIOUS MATERIAL. SEE SPECIFICATION 31 23 23.

DESIGNED: DW, JG, HR	SUB SHEET NO. <b>S27</b>	TITLE OF SHEET <b>TOPPING AND PLAZA REPLACEMENT SLABS</b>	DRAWING NO. <b>802</b>
NSF, MD			25002A
TECH. REVIEW: DW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	SHEET 45 of 52

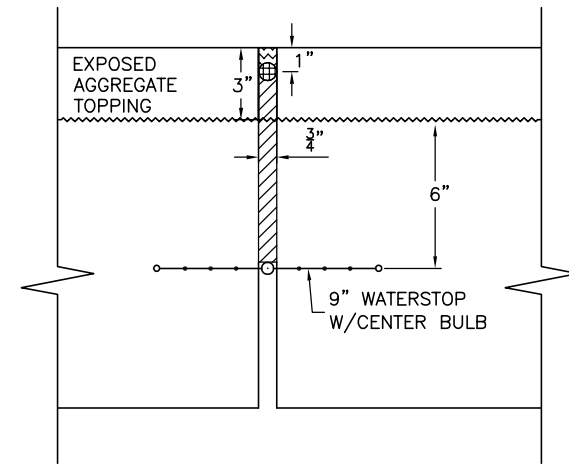
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



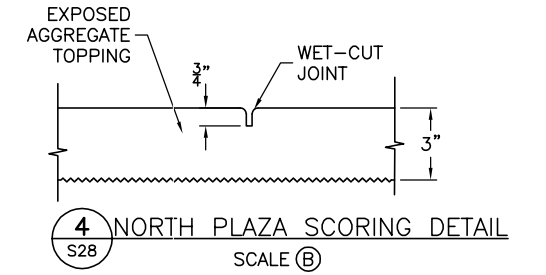
1 NEW SLAB TO EXISTING SLAB  
S28 SCALE (A)



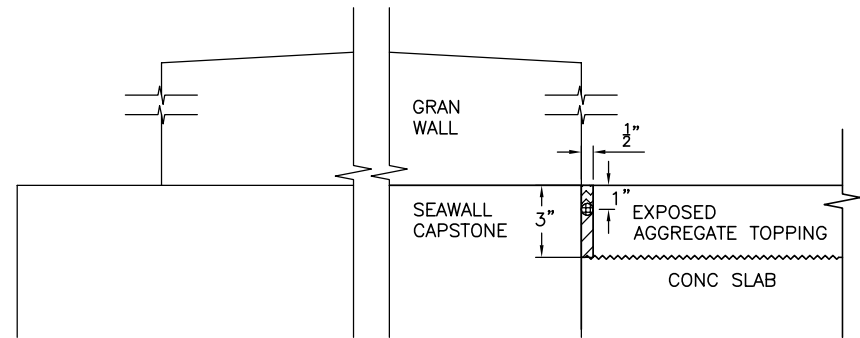
2 NORTH PLAZA EXPANSION JOINT AT SEAWALL  
S28 SCALE (A)



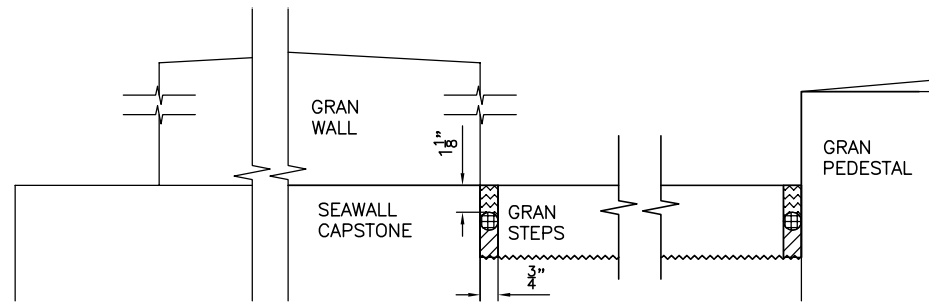
3 NORTH PLAZA INTERIOR TRANSVERSE EXPANSION JOINTS  
S28 N.T.S.



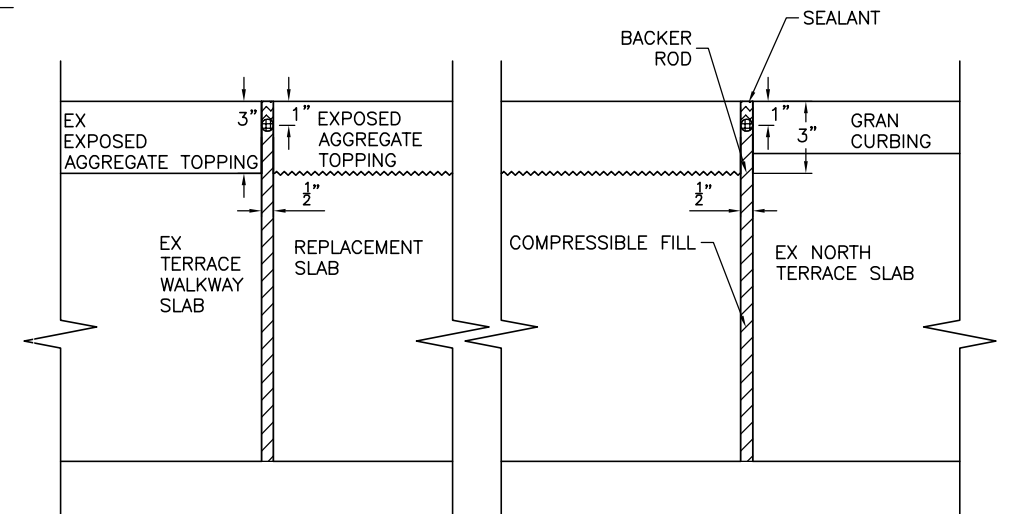
4 NORTH PLAZA SCORING DETAIL  
S28 SCALE (B)



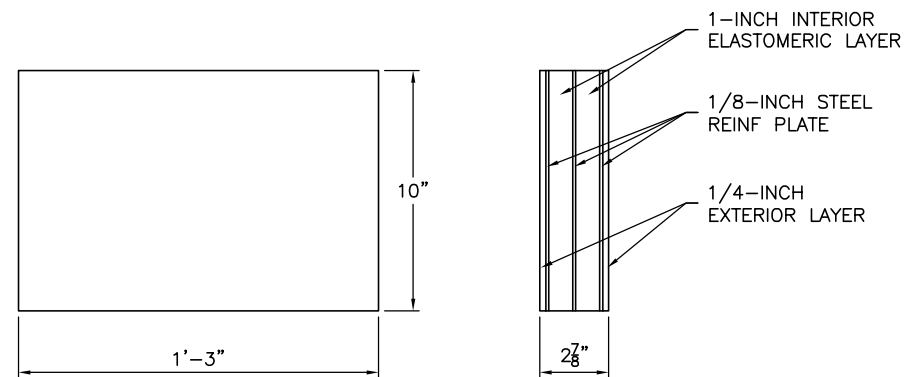
5 EXPANSION JOINT- SIDEWALK ADJACENT TO SEAWALL AT NE AND NW STAIRS  
S28 SCALE (B)



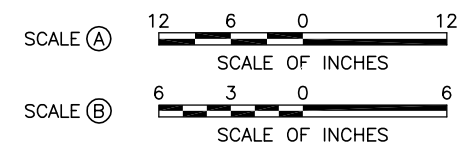
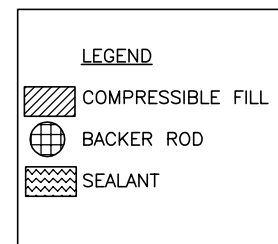
6 EXPANSION JOINT- AT NE AND NW STAIRS  
S28 N.T.S.



7 TERRACE WALKWAY EXPANSION JOINTS  
S28 N.T.S.



8 ELASTOMERIC BEARING PAD DETAIL  
S28 SCALE (B)



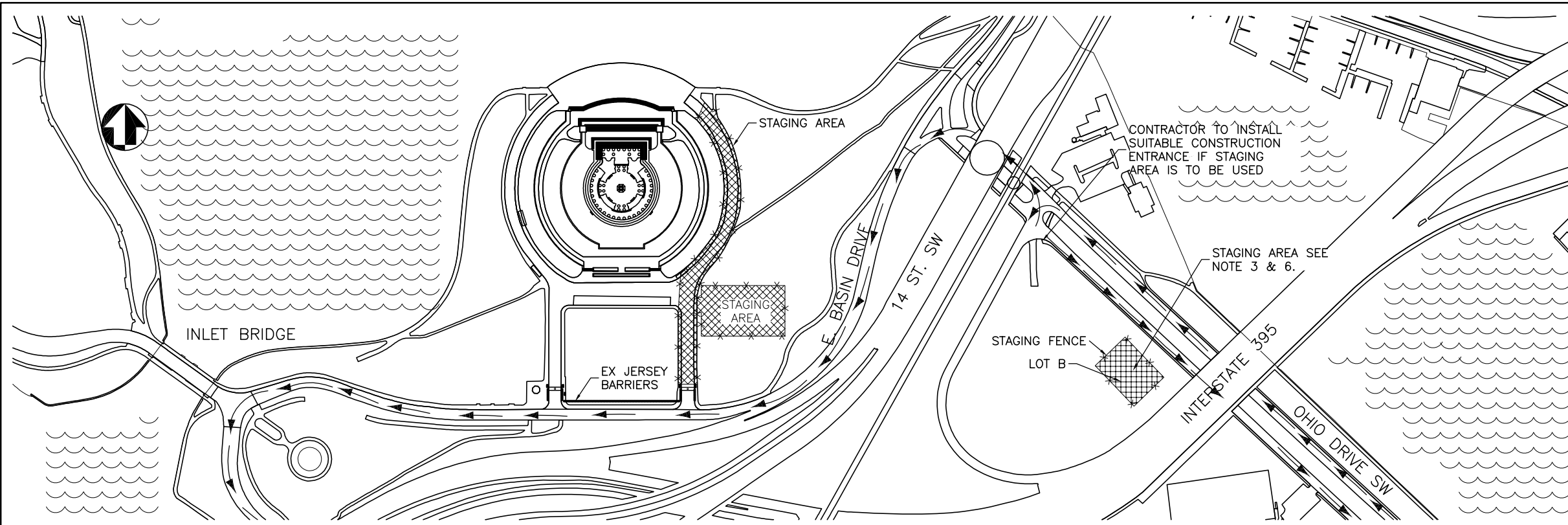
DESIGNED: DW, JG, HR	SUB SHEET NO. <b>S28</b>	TITLE OF SHEET <b>NORTH PLAZA SLAB TO EXISTING AND EXPANSION JOINT DETAILS</b>	DRAWING NO. <b>802 80284A</b>
NSF		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
TECH. REVIEW: DW, JG			SHEET 46 of 52
DATE: 4-2-09			

4/2/09 12:21 NFAHEY R17 c:\2006\085\06150076.J\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\STRUC\S28 EXPANSION.DWG

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

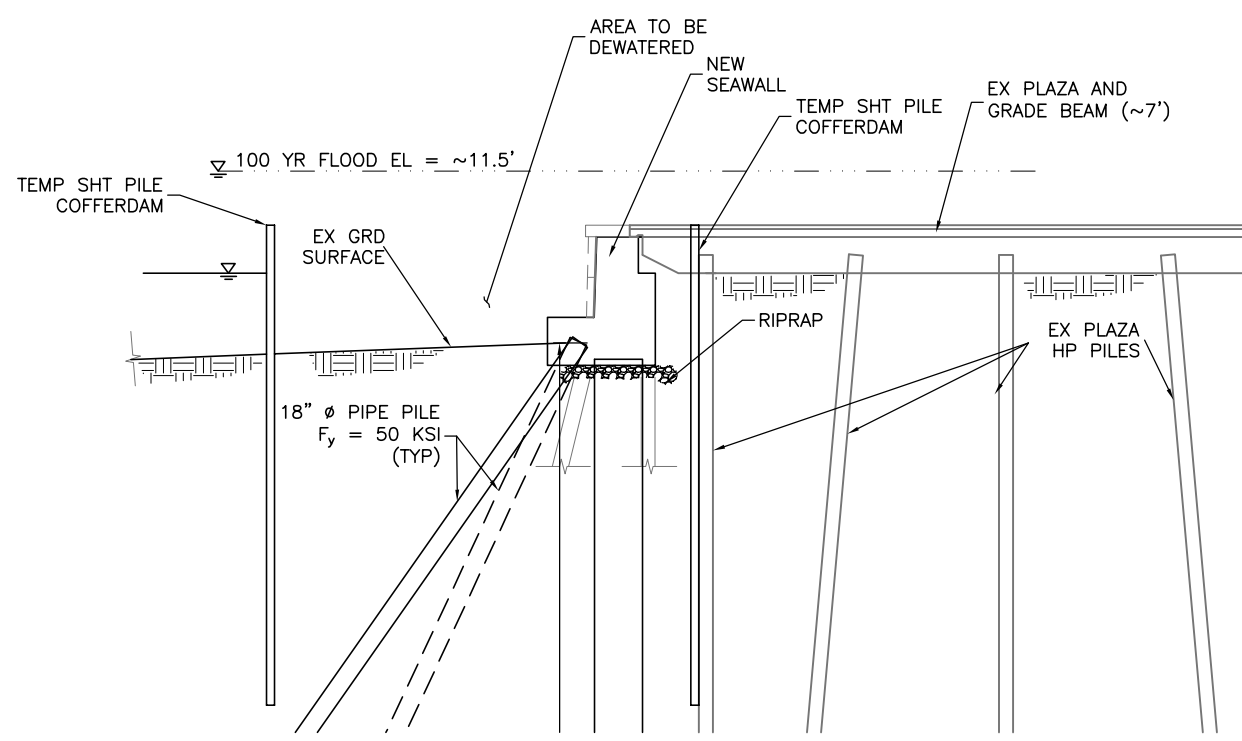


4/2/09 11:11 NFAHEY R17 c:\2006\085\06150078.j JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\GEN\ES2 EROSION CONTROL.DWG XREFS: ..\BASES\XC-BASEMAP.DWG; ..\BASES\XC-SUPER SILT FENCE.DWG;

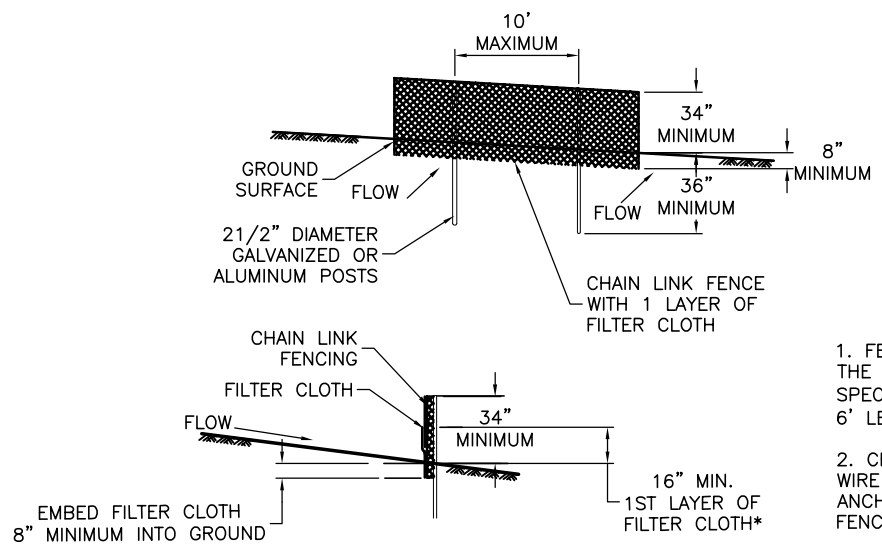


PLAN VIEW  
SCALE (A)

- LEGEND**
- x— STAGING FENCE
  - ← TRAFFIC FLOW TO AND FROM OFF SITE STAGING AREA
  - ▨ STAGING AREA
- NOTES**
- REFER TO SHEET T1 GENERAL NOTES.
  - USE OF THE INLET BRIDGE FOR EQUIPMENT AND MATERIAL TRANSPORTATION OR OTHER CONSTRUCTION TRAFFIC IS PROHIBITED.
  - CONTRACTOR MAY USE ADDITIONAL LOT B STAGING AREA SHOWN ON OHIO DRIVE. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIR AND MAINTENANCE OF THE AREA. THE CONTRACTOR SHALL RESTORE THE AREA BY REMOVING FENCING AND GRAVEL AND REPLACING IT WITH TOPSOIL AND SOD AT THE END OF THE PROJECT.
  - CONTRACTOR SHALL DETERMINE BRIDGE CLEARANCE REQUIREMENTS FOR ACCESS TO AND FROM LOT B STAGING AREA.
  - MATERIALS SHALL NOT BE STACKED HIGHER THAN 5' IN STAGING AREA.
  - INSTALL SILT FENCE IN STAGING AREAS IN DOWNGRADIENT.



NORTH PLAZA - SECTION VIEW  
SCALE (B)



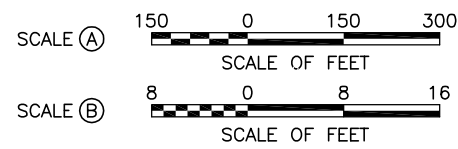
\*IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42"

SUPER SILT FENCE  
NO SCALE

**SUPER SILT FENCE CONSTRUCTION SPECIFICATIONS**

- FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
- CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
- FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT
- FILTER CLOTH SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

TENSILE STRENGTH	50 LBS/IN (MIN.)	TEST: ASTM D-4595
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: ASTM D-4595
FLOW RATE	0.3 GAL/FT /MINUTE (MAX.)	TEST: ASTM D-5141
FILTERING EFFICIENCY	75% (MIN.)	TEST: ASTM D-5141



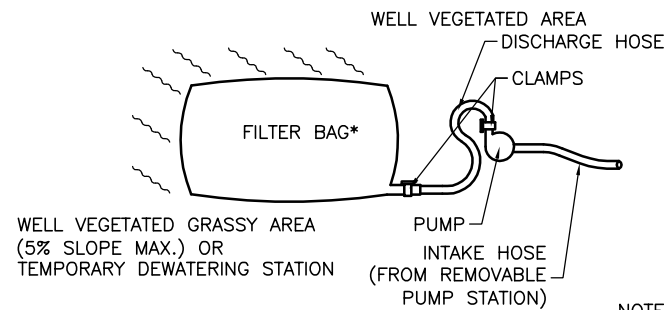
NOTE:  
GEOMETRY BASED ON HISTORICAL DOCUMENTS PROVIDED BY NPS. MUST BE VERIFIED IN FIELD.

DESIGNED: DW, JG, HR	SUB SHEET NO. <b>ES2</b>	TITLE OF SHEET <b>EROSION AND SEDIMENT CONTROL PLAN</b>	DRAWING NO. <b>802 25002A</b>
NSF, MD TECH. REVIEW: DW, JG		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232 SHEET <b>50 of 52</b>
DATE: 4-2-09			

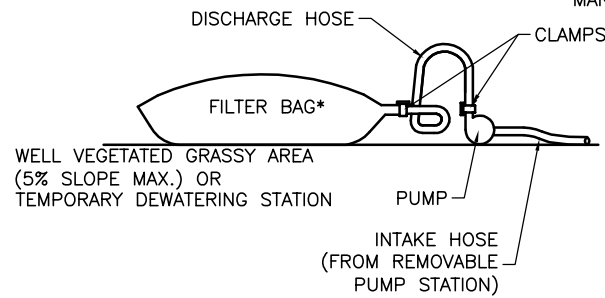
100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09



**PUMPED WATER FILTER BAG**



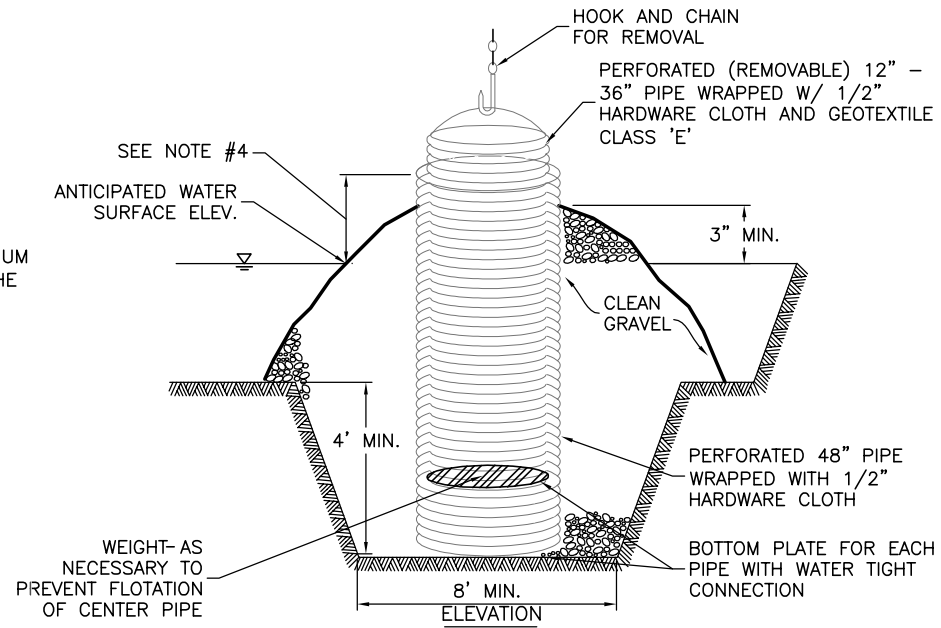
**PLAN VIEW**



**ELEVATION VIEW**

NOTE: PUMPING SHALL BE A MAXIMUM OF 750 GPM OR 1/2 OF THE MAXIMUM SPECIFIED BY THE MANUFACTURER.

**REMOVABLE PUMPING STATION**



**CONSTRUCTION SPECIFICATIONS**

1. THE OUTER PIPE SHOULD BE 48" DIA. OR SHALL, IN ANY CASE, BE AT LEAST 4" GREATER IN DIAMETER THAN THE CENTER PIPE. THE OUTER PIPE SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH TO PREVENT BACKFILL MATERIAL FROM ENTERING THE PERFORATIONS.
2. AFTER INSTALLING THE OUTER PIPE, BACKFILL AROUND OUTER PIPE WITH 2" AGGREGATE OR CLEAN GRAVEL.
3. THE INSIDE STAND PIPE (CENTER PIPE) SHOULD BE CONSTRUCTED BY PERFORATING A CORRUGATED OR PVC PIPE BETWEEN 12" AND 36" IN DIAMETER. THE PERFORATIONS SHALL BE 1/2" X 6" SLITS OR 1" DIAMETER HOLES 6" ON CENTER. THE CENTER PIPE SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH FIRST, THEN WRAPPED AGAIN WITH GEOTEXTILE CLASS E.
4. PIPES EXTEND 12" TO 18" ABOVE THE ANTICIPATED WATER SURFACE ELEVATION OR RISER CREST ELEVATION WHEN DEWATERING A BASIN.

**NOTES:**

1. LOCATION(S) OF TEMPORARY DEWATERING STATION(S) TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY CONTRACTING OFFICER.
2. ALL SEDIMENT AND STONE OR SANDBAGS SHALL BE REMOVED AT THE END OF WORK.
3. INSTALL PERFORATIONS IN SHEET PILES AT THE TOP OF STONE OR SANDBAGS TO THE LOW WATER ELEVATION TO ACCOMMODATE ANTICIPATED FLOWS.
4. NO. 57 STONE OR SANDBAGS SHALL BE INSTALLED TO A HEIGHT ABOVE THE AVERAGE HIGH WATER ELEVATION.

**GENERAL NOTES**

1. LIMIT OF DISTURBANCE (LOD) IS APPROXIMATELY 1.3 ACRES.
2. A COPY OF THE APPROVED E&S PLAN MUST BE MAINTAINED AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED AND FUNCTIONAL BEFORE DISTURBANCE OCCURS WITHIN THE AREAS OF THOSE CONTROLS.
4. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED AND AFTER FINAL APPROVAL BY DDOE E&S INSPECTOR, TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
5. AT THE END OF EACH WORKING DAY, ANY SEDIMENT TRACKED OR CONVEYED ONTO A PUBLIC ROADWAY WILL BE REMOVED AND REDEPOSITED ONTO THE CONSTRUCTION SITE. REMOVAL CAN BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS, BUT MUST NEVER BE WASHED OFF THE ROAD BY USE OF WATER.
6. SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT.
7. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS, SPECIFICALLY, CHAPTER 5 OF TITLE 21, AND CHAPTER 31 OF TITLE 20, AS WELL AS THE DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (STANDARDS)."
8. REFER TO SPECIFICATION 31 25 00 FOR ADDITIONAL E&S REQUIREMENTS.

**SOILS**

1. SOILS ADJACENT TO THE JEFFERSON MEMORIAL ARE LINSIDE LOAM (LD) ACCORDING TO THE NATURAL RESOURCES CONSERVATION SERVICE 1975 SOIL SURVEY. REFER TO THE E&S PLAN FOR ADDITIONAL INFORMATION REGARDING THIS SOIL TYPE.
2. SOILS THAT ARE ANTICIPATED TO BE DISTURBED WITHIN THE SHEET PILE WALL ARE FILL SOILS. THESE SOILS ARE GENERALLY SILTS AND CLAYS.

**CONSTRUCTION SEQUENCE (FOR EROSION AND SEDIMENT CONTROL PURPOSES)**

1. GENERAL: ALL ACTIVITIES SHALL BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME ANY AREA REMAINS DENUDED. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF DISTURBING ACTIVITIES.
2. INSTALLATION OF THE TURBIDITY CURTAIN.
3. DEMOLITION OF PORTIONS OF THE SEAWALL, SIDEWALK AND NORTH PLAZA. REMOVE AND STORE FACING STONES AND GRANITE.
4. INSTALLATION OF THE TEMPORARY SHEET PILE WALL.
5. INITIAL DEWATERING THE WORK AREA INSIDE THE SHEET PILE WALL.
6. INSTALLATION OF PUMPED WATER FILTER BAG AND REMOVABLE PUMPING STATIONS AND TEMPORARY DEWATERING STATIONS.
7. COMPLETE DEMOLITION OF THE SEAWALL, EXCAVATION AND DISPOSE SOILS.
8. INSTALL CAISSONS AND PIPE PILES, CAST CONCRETE SEAWALL, BACKFILL BEHIND SEAWALL, PLACE RIPRAP, CAST SLABS, SIDEWALKS AND STAIRS, REPLACE FACING STONES. DEWATER WORK AREA AS NECESSARY THROUGH APPROVED FILTERING DEVICE.
9. AFTER THE WORK IS COMPLETE, ALLOW AREA INSIDE SHEET PILE WALL TO FILL WITH WATER IN A CONTROLLED MANNER THAT WILL MINIMIZE DISTURBANCE OF SOILS.
10. REMOVAL OF SHEET PILE WALL.
11. SEED DISTURBED AREAS AS NECESSARY.
12. REMOVE TURBIDITY CURTAIN (A MINIMUM OF 12 HOURS AFTER LAST DISTURBANCE).
13. DEMOBILIZATION OF TEMPORARY CONSTRUCTION FACILITIES AND RESTORATION OF THOSE AREAS.
14. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER VEGETATION STABILIZATION.

**DEWATERING NOTES**

1. GENERAL: ALL DEWATERING MUST BE CONDUCTED THROUGH AN APPROVED FILTRATION DEVICE.
2. THE CONTRACTOR SHALL CALL THE INSPECTION/ENFORCEMENT BRANCH, WATERSHED PROTECTION DIVISION, DISTRICT DEPARTMENT OF THE ENVIRONMENT AT (202) 535-2240 FOR A PRE-CONSTRUCTION MEETING 72 HOURS PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.
3. INITIAL DEWATERING FROM WITHIN THE SHEET PILE SHALL BE FILTERED USING A 75-MICRON BAG FILTER. THE DISCHARGE SHALL BE DIRECTED TO THE TIDAL BASIN BETWEEN THE SHEET PILE WALL AND THE TURBIDITY CURTAIN.
4. THE REMOVABLE PUMPING STATIONS SHALL BE INSTALLED AFTER THE INITIAL DEWATERING. THE REMOVABLE PUMPING STATIONS MAY BE RELOCATED TO FACILITATE CONSTRUCTION ACTIVITIES WITH THE APPROVAL OF THE ENGINEER.
5. ALL MAINTENANCE OR ROUTINE DEWATERING SHALL BE PUMPED FROM THE REMOVABLE PUMP STATIONS. FILTERING THE WATER MAY BE CONDUCTED IN THE SAME MANNER AS THE INITIAL DEWATERING, EXCEPT DISCHARGING TO A TEMPORARY DEWATERING STATION OR MAY BE DISCHARGED INTO AN APPROVED PUMPED WATER FILTER BAG ON AN APPROVED WELL VEGETATED AREA OR TEMPORARY DEWATERING STATION. THE PUMPED WATER FILTER BAG SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
6. CONTRACTOR SHALL PROVIDE EVIDENCE TO THE CONTRACTING OFFICER FOR APPROVAL THAT THE SEWERS ARE INTACT PRIOR TO DIRECTING FILTERED DISCHARGE WATER TO SEWER. TURBIDITY CURTAIN SHALL BE INSTALLED AROUND THE SEWER OUTLET IN THE TIDAL BASIN AND INLET FILTER BAGS IN THE MANHOLES.
7. INLET FILTER BAGS, IF USED, SHALL MEET THE REQUIREMENTS OF DETAIL 7A IN THE STANDARDS, AND CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.

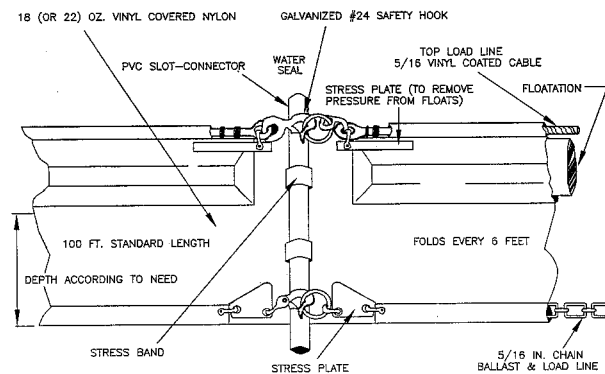
**TEMPORARY SEEDING**

1. DURING THE DATES OF MARCH 1 TO APRIL 30 AND AUGUST 15 TO NOVEMBER 15, THE TEMPORARY SEED MIX SHALL BE RYE AND APPLIED AT A RATE OF 140 LBS./ACRE. DURING THE DATES OF MAY 1 TO AUGUST 14, THE TEMPORARY SEED MIX SHALL BE MILLET AND APPLIED AT A RATE OF 50 LBS./ACRE. APPLY FERTILIZER (10-10-10) AT A RATE OF 600 LB/ACRE, LIME AT 2 TONS PER ACRE AND MULCH AT 2 TONS PER ACRE.
2. TEMPORARY SEED STOCKPILES AND DISTURBED AREAS.

**PERMANENT STABILIZATION**

1. REFER TO SPECIFICATION 32 92 00 SOIL AND SOD, FOR THE PERMANENT STABILIZATION MEASURES REQUIRED PRIOR TO PROJECT COMPLETION.

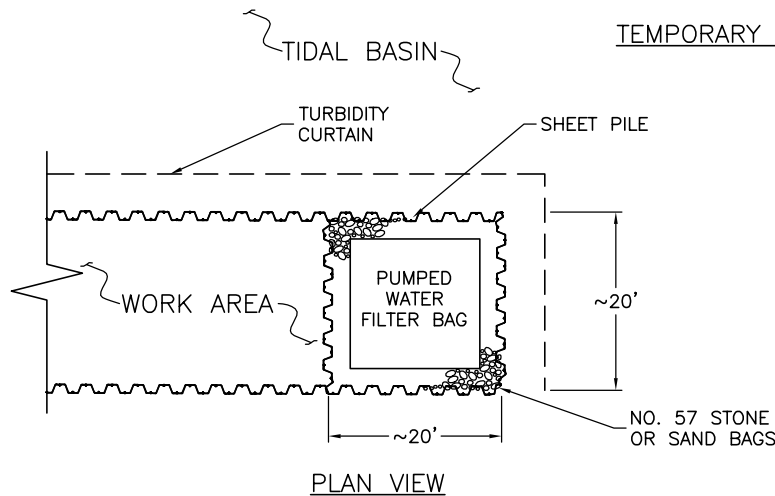
**TURBIDITY CURTAIN TYPE II**



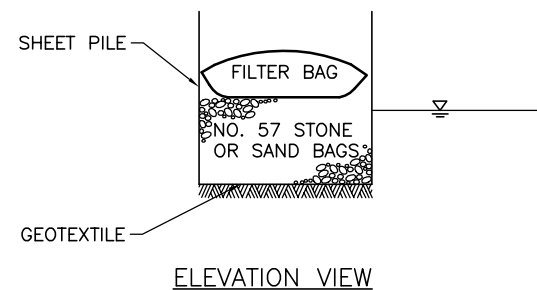
**NOTES:**

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. TURBIDITY CURTAIN SHALL BE STAKED OR ANCHORED (ON BOTH SIDES) AT A MAXIMUM OF 100'.
3. MAINTAIN TURBIDITY CURTAIN 5 TO 10' FROM SHEETPILE OR AS OTHERWISE APPROVED BY CONTRACTING OFFICER.

**TEMPORARY DEWATERING STATION**



**PLAN VIEW**



**ELEVATION VIEW**

4/2/09 13:28 NEAHEY: B17 G:\2006\06150078\JEFFERSON CONSTRUCTION DOCUMENTS (2008)\CADD\THE\128232\GEN\ES3 DETAILS-NOTES.DWG XREFS: G:\2006\06150078\JEFFERSON Construction Documents (2008)\CADD\THE\128232\BAGS\YS-FILTER BAG.dwg\YS-PUMPING STATION.dwg\SIU FENCE.dwg IMAGES: \BAGS\VC-TURBIDITY.TIF;

100% COMPLETE CONSTRUCTION DOCUMENTS 4-2-09

DESIGNED: DW, JW	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
NSF	ES3	EROSION AND SEDIMENT DETAILS AND NOTES	802
TECH. REVIEW: PIW, JG			25002A
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 128232
			SHEET 51 of 52

DETAILS TO BE ADDED

DESIGNED: DW, JW CADD NSF	SUB SHEET NO. <b>ES4</b>	TITLE OF SHEET <b>EROSION AND SEDIMENT DETAILS</b>	DRAWING NO. <b>802 25002A</b>
TECH. REVIEW: PIW, JG			PMIS/PKG NO. 128232
DATE: 4-2-09		THOMAS JEFFERSON MEMORIAL NATIONAL MALL AND MEMORIAL PARKS	SHEET <b>52 of 52</b>